SLV-LX55/LX66S/LX77S

RMT-V403/V404

SERVICE MANUAL

Panama Model
Chilean Model
SLV-LX55/LX77S
Mexican Model
SLV-LX55/LX66S/LX77S

Photo : SLV-LX77S
RMT-V404

TS-10 MECHANISM

Refer to the SERVICE MANUAL of VHS MECHANICAL ADJUSTMENT MANUAL VII for MECHANICAL ADJUSTMENTS. (9-921-790-11)

SPECIFICATIONS

System

Format
- VHS NTSC standard

Video recording system
- Rotary head helical scanning FM system

Video heads
- Double azimuth four heads

Video signal
- NTSC color, EIA standards

Tape speed
- SP: 33.35 mm/s (1 3/8 inches/s)
- EP: 11.12 mm/s (7/16 inches/s)
- LP: 16.67 mm/s (11/16 inches/s), playback only

Maximum recording/playback time
- 8 hrs. in EP mode (with T-160 tape)

Rewind time
- Approx. 1 min (with T-120 tape)

Tuner section

Channel coverage
- VHF 2 to 13
- UHF 14 to 69
- CATV A-8 to A-1, A to W, W+1 to W+84

Antenna
- 75-ohm antenna terminal for VHF/UHF

Inputs and outputs

LINE IN 1 and LINE-2 IN
- VIDEO IN, phono jack (1 each)
- Input signal: 1 Vp-p, 75 ohms, unbalanced, sync negative
- AUDIO IN, phono jacks (2 each)
- Input level: 327 mVrms
- Input impedance: more than 47 kilohms

LINE OUT
- VIDEO OUT, phono jack (1)
- Output signal: 1 Vp-p, 75 ohms, unbalanced, sync negative
- AUDIO OUT, phono jacks (2)
- Standard output: 327 mVrms
- Load impedance: 47 kilohms
- Output impedance: less than 10 kilohms

Timer section

Clock
- Quartz locked

Timer indication
- 12-hour cycle

Timer setting
- 8 programs (max.)

General

Power requirements
- SLV-LX77S CS/SLV-LX55 CS
  110 – 240 V AC, 50/60 Hz
- Other models
  120 V AC, 60 Hz

Power consumption
- 18 W

Operating temperature
- 0°C to 45°C (32°F to 113°F)

Storage temperature
- –20°C to 60°C (–4°F to 140°F)

Dimensions including projecting parts and controls (w/h/d)
- Approx. 360 × 95 × 260 mm

Mass
- Approx. 2.6 kg

— Continued on next page —

VIDEO CASSETTE RECORDER

SONY®

Supplied accessories

Remote commander (1)
Size AA (R6) batteries (2)
75-ohm coaxial cable with F-type connectors (1)
Plug adaptor (1)
(SLV-LX77S CS and SLV-LX55 CS only)
Audio/video cable (3-phono to 3-phono) (1)
(SLV-LX77S and SLV-LX66S only)

- Abbreviation
  PA : Panama model
  MX : Mexican model
  CS : Chilean model

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

Important Service Guide

◆ Mode Switch (Program Switch) Assembly Point ····· 4
◆ How to eject the cassette tape
(If the unit does not operate on condition that tape is inserted into housing ass'y) ····· 4

1. General

Getting Started
Step 1 : Unpacking ····· 1-1
Step 2 : Setting up the remote commander ····· 1-1
Step 3 : Hookups ····· 1-2
Step 4 : Setting the clock ····· 1-4
Step 5 : Selecting a language ····· 1-4
Step 6 : Presetting channels ····· 1-4
Basic Operations
Playing a tape ····· 1-8
Recording TV programs ····· 1-9
Recording TV programs using the Dial Timer ····· 1-7
Recording TV programs using the timer ····· 1-8
Locking the VCR (Child Lock) ····· 1-9
Additional Operations
Playing/searching at various speeds ····· 1-9
Setting the recording duration time ····· 1-9
Checking/changing/cancelling timer settings ····· 1-10
Recording stereo and bilingual programs (not available on SLV-LX55) ····· 1-10
Searching using various functions ····· 1-10
Adjusting the picture (tracking) ····· 1-11
Changing menu options ····· 1-11
Editing with another VCR ····· 1-11
Additional Information
General setup information ····· 1-12
Troubleshooting ····· 1-12
Index to parts and controls ····· 1-13

2. Disassembly

2-1 Cabinet Top ····· 2-1
2-2 Ass'y-Panel Front ····· 2-1
2-3 Ass'y Jack-PCB ····· 2-2
2-4 Ass'y Jack-MAIN, DECK ····· 2-3

3. P.C.Boards

3-1 Main PCB ····· 3-1
3-2 FUNCTION PCB ····· 3-2
3-3 DIAL TIMER PCB ····· 3-3

4. Schematic Diagrams

◆ Block Identification of Main PCB ····· 4-1
4-1 S.M.P.S./Power (MX, PA) ····· 4-1
4-2 S.M.P.S./Power (CS) ····· 4-2
4-3 Logic/Display (SLV-LX66S/LX77S) ····· 4-9
4-4 Logic/Display (SLV-LX55) ····· 4-12
4-5 Audio/Video (SLV-LX66S/LX77S) ····· 4-13
4-6 Audio/Video (SLV-LX55) ····· 4-16
4-7 Hi-Fi (SLV-LX66S/LX77S) ····· 4-17
4-8 TM-Block/Input-Output (SLV-LX66S/LX77S) ····· 4-19
4-9 TM-Block/Input-Output (SLV-LX55) ····· 4-21

5. Alignment and Adjustment

5-1 Reference ····· 5-1
5-1-1 Location of adjustment button of remote control ····· 5-1
5-1-2 Test point location for adjustment mode setting ····· 5-2
5-2 Mechanical Adjustment ····· 5-2
5-2-1 The number and position of test point ····· 5-3
5-2-2 ACE Head Position (X-Point) Adjustment ····· 5-3
5-3 Head Switching Point Adjustment ····· 5-4

6. Repair Parts List

6-1 Exploded Views ····· 6-1
6-1-1 Instrument Assembly ····· 6-1
6-1-2 Mechanical Parts (Top Side) ····· 6-3
6-1-3 Mechanical Parts (Bottom Side) ····· 6-4
6-2 Electrical Parts List ····· 6-5

- Abbreviation
  PA : Panama model
  MX : Mexican model
  CS : Chilean model

IMPORTANT SERVICE GUIDE

◆ MODE SWITCH (PROGRAM SWITCH) ASSEMBLY POINT

1) When installing the ass'y deck on the Main PCB, be sure to align the assembly point of mode switch.

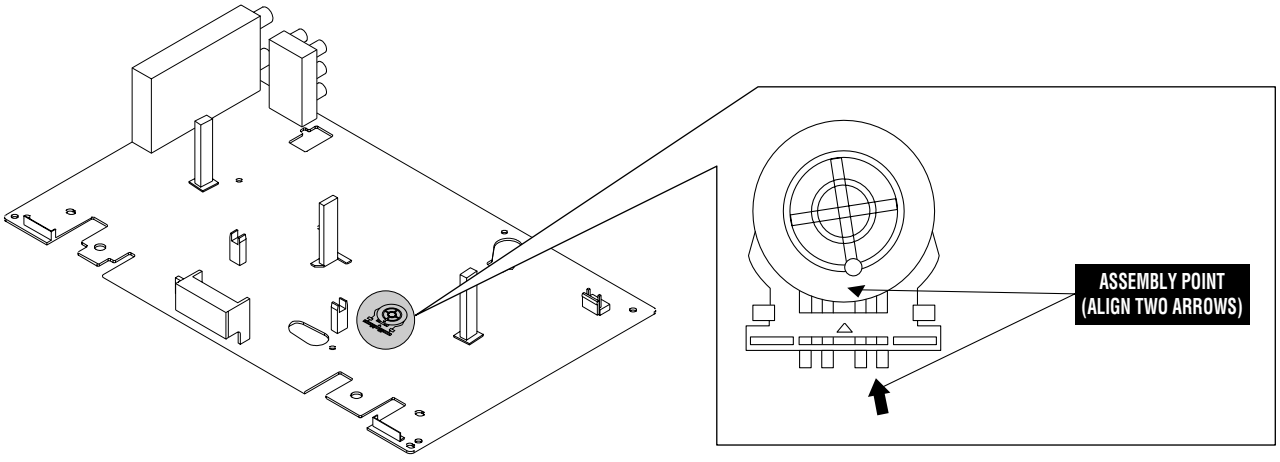


Fig. 1

◆ HOW TO EJECT THE CASSETTE TAPE
(If the unit does not operate on condition that tape is inserted into housing ass'y)

1) Turn the Gear Worm ❶ clockwise in the direction of arrow with screw driver.. (See Fig. 2)
   (Other method ; Remove the screw of Motor Load Ass'y, Separate the Motor Load Ass'y)
2) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwiunded tape. (Refer to Fig. 3)
   (If you rotate Gear Worm ❶ continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwiunded tape in the state of set horizontally.)
3) Rotate Gear Worm ❶ clockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 2)

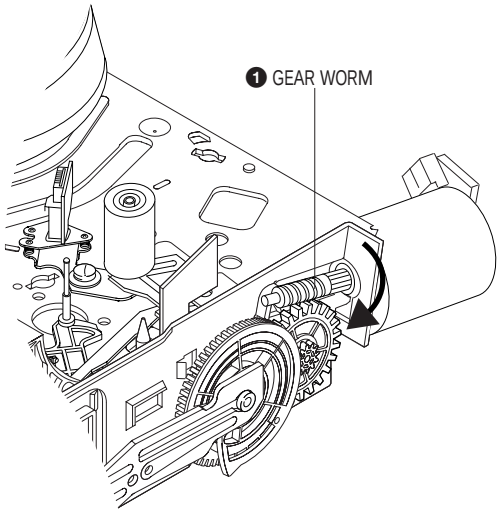


Fig. 2

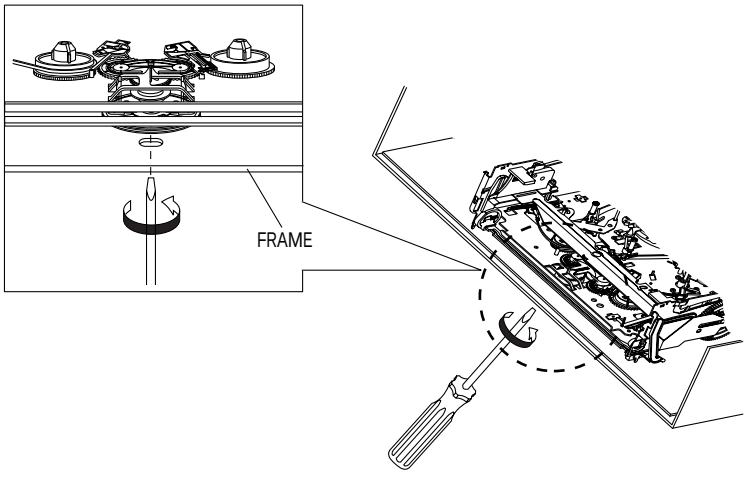


Fig. 3

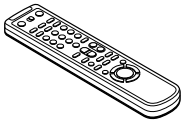
1. General

Getting Started

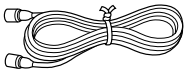
Step 1 : Unpacking

Check that you have received the following items with the VCR:

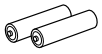
- Remote commander



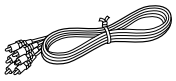
- 75-ohm coaxial cable with F-type connectors



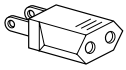
- Size AA (R6) batteries



- Audio/video cable (3-phono to 3-phono) (SLV-LX77S and SLV-LX66S only)



- Plug adaptor (SLV-LX77S CS and SLV-LX55 CS only)



If the plug supplied with your VCR does not fit your power outlet, attach the supplied adaptor to the plug.

Check your model name

The instructions in this manual are for the 7 models: SLV-LX77S MX/PA/CS, SLV-LX66S MX and SLV-LX55 MX/PA/CS. Check your model name by looking at the rear panel of your VCR.
SLV-LX77S MX is the model used for illustration purposes. Any difference in operation is clearly indicated in the text, for example, "SLV-LX77S MX only."

Controlling other TVs with the remote commander (not available on SLV-LX55)

The remote commander is preprogramed to control non-Sony TVs. If your TV is listed in the following table, set the appropriate manufacturer's code number.

1 Set •TV / VIDEO at the top of the remote commander to •TV.

2 Hold down I/⏻, and enter your TV's code number using the number buttons. Then release I/⏻.

Now you can use the I/⏻, VOL +/–, CH +/–, and TV/VIDEO buttons to control your TV. You can also use the buttons marked with a dot (•) to control a Sony TV. To control the VCR, reset •TV / VIDEO to VIDEO.

Code numbers of controllable TVs

If more than one code number is listed, try entering them one at a time until you find the one that works with your TV.

TV brand	Code number
Sony	01
Akai	04
AOC	04
Centurion	12
Coronado	03
Curtis-Mathes	12
Daytron	12
Emerson	03, 04, 14
Fisher	11
General Electric	06, 10
Gold Star	03, 04, 17
Hitachi	02, 03
J.C.Penney	04, 12
JVC	09
KMC	03
Magnavox	03, 08, 12
Marantz	04, 13
MGA/Mitsubishi	04, 12, 13, 17
NEC	04, 12

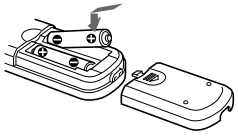
TV brand	Code number
Panasonic	06, 19
Philco	03, 04
Philips	08
Pioneer	16
Portland	03
Quasar	06, 18
Radio Shack	05, 14
RCA	04, 10
Sampo	12
Sanyo	11
Scott	12
Sears	07, 10, 11
Sharp	03, 05, 18
Sylvania	08, 12
Teknika	03, 08, 14
Toshiba	07
Wards	03, 04, 12
Yorx	12
Zenith	15

Step 2 : Setting up the remote commander

Inserting the batteries

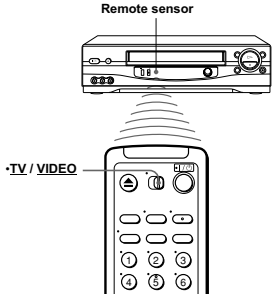
Insert two size AA (R6) batteries by matching the + and – on the batteries to the diagram inside the battery compartment.

Insert the negative (–) end first, then push in and down until the positive (+) end clicks into position.



Using the remote commander

You can use this remote commander to operate this VCR and a Sony TV. Buttons on the remote commander marked with a dot (•) can be used to operate your Sony TV.
If the TV does not have the symbol near the remote sensor, this remote commander will not operate the TV.



To operate	Set •TV / VIDEO to
the VCR	VIDEO and point at the remote sensor at the VCR
a Sony TV	•TV and point at the remote sensor at the TV

Notes

- With normal use, the batteries should last about three to six months.
- If you do not use the remote commander for an extended period of time, remove the batteries to avoid possible damage from battery leakage.
- Do not use a new battery with an old one.
- Do not use different types of batteries.

continued

Notes

- If you enter a new code number, the code number previously entered will be erased.
- If the TV uses a different remote control system from the one programed to work with the VCR, you cannot control your TV with the remote commander.
- When you replace the batteries of the remote commander, the code number may change. Set the appropriate code number every time you replace the batteries.
- When you press the AUDIO MONITOR button, your TV's menu may appear on the TV screen. To exit the TV menu, press the MENU button on the TV remote commander or wait until the menu disappears automatically.

Step 3 : Hookups

Selecting the best hookup option

There are many ways in which your VCR can be hooked up. To hook up your VCR so that it works best for you, first scan through the table below. Then use the accompanying diagrams and procedures on the following pages to set up your VCR.

If your TV has audio/video inputs, refer to pages 9 and 10 for audio/video (A/V) hookup. Then follow one of the hookups below. If your TV does not have A/V inputs, do directly to one of the hookups below.

If you have	Use	Refer to
Antenna only, no cable TV	**Hookup 1 (Plug and Play)**	**Pages 11 and 12**
No cable box or cable box with only a few scrambled channels	**Hookup 2 (Plug and Play)**	**Pages 13 and 14**
Cable box with many scrambled channels	**Hookup 3**	**Page 15**

After you have completed the connections, follow the instructions for setup.

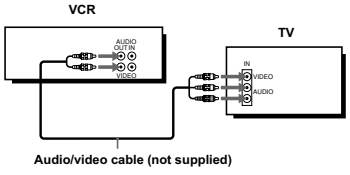
After you have completed the setup, you are ready to use your VCR. Procedures differ depending on the hookup you used. For an overview, refer to "Quick reference to using the VCR" on the back cover.

Before you get started

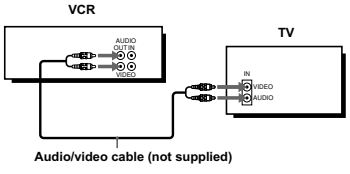
- Turn off the power to all equipment.
- Do not connect the AC power cords until all of the connections are completed. If you connect the AC power cord before the connections are completed, you may not be able to use the Plug and Play function.
- Be sure you make connections firmly. Loose connections may cause picture distortion.
- If your TV does not match any of the examples provided, see your nearest Sony dealer or qualified technician.

For SLV-LX55

A Use this hookup if your TV has stereo jacks



B Use this hookup if your TV does not have stereo jacks



Note

- If you use the Trinitron TV Synchro Play function (page 25), the A/V connection is necessary. (If your TV has two or more inputs, connect the audio/video cable to the VIDEO IN 1 jacks.)

Audio/video (A/V) hookup

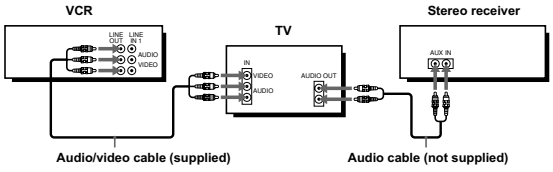
If your TV has audio/video (A/V) input jacks, you will get a better picture and sound if you hook up your VCR using these connections. If your TV does not have A/V inputs, see the following pages for antenna or cable hookups.

If you are not planning to use your VCR to record programs, you finished setting up the VCR after you have made the connections shown on this page. If you want to record regular or cable TV programs, complete these connections first, and then go to the following pages for antenna or cable hookups.

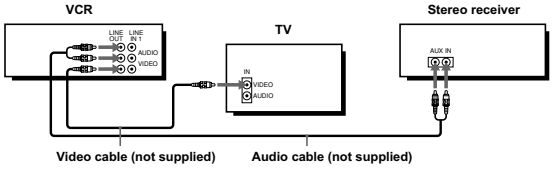
For SLV-LX77S and SLV-LX66S

For a true "home theater" experience, you should connect the audio outputs of your VCR or TV to your stereo system.

A Use this hookup if your TV has stereo jacks



B Use this hookup if your TV does not have stereo jacks



Notes

- To play a tape in stereo, you must use the A/V connection.
- If you do not have a stereo receiver, connect the white LINE OUT/AUDIO L jack to the AUDIO IN jack on your TV.
- If you use the Trinitron TV Synchro Play function (page 25), the A/V connection is necessary. (If your TV has two or more inputs, connect the audio/video cable to the VIDEO IN 1 jacks.)

continued

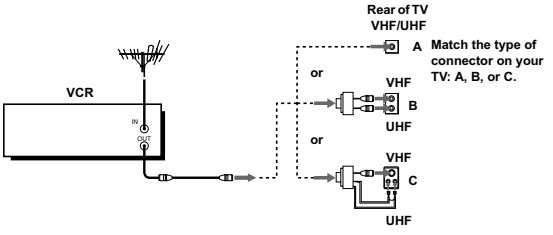
Hookup 1 (Plug and Play)

Antenna hookup

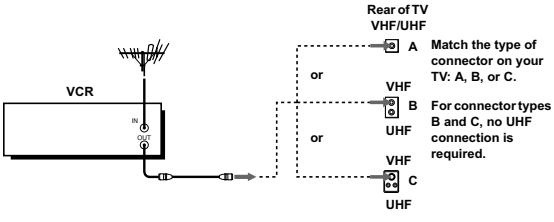
Make the following connections if you are using an antenna (if you do not have cable TV).

A Use this hookup if you are using:

- VHF/UHF antenna (you get channels 2–13 and channels 14 and higher)
- UHF-only antenna (you get channels 14 and higher)
- Separate VHF and UHF antennas



B Use this hookup if you are using a VHF-only antenna (you get channels 2–13 only)



If you cannot connect your antenna cable to the VCR directly

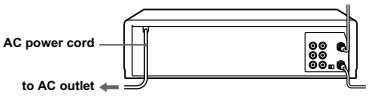
If your antenna cable is a flat cable (300-ohm twin lead cable), attach an external antenna connector (not supplied) so you can connect the cable to the RF IN connector. If you have separate cables for VHF and UHF antennas, you should use a U/V band mixer (not supplied) (page 50).

continued

Hookup 1 : VCR setup

Plug the VCR into the AC outlet.

The VCR automatically presets the TV channels when the VCR is plugged into the AC outlet.



The VCR starts presetting the channels.

You have now completed VCR setup.

To change the on-screen display language, see “Step 5 : Selecting a language” on page 18.

To add or disable channels manually, see “Presetting/disabling channels manually” on page 21.

Notes

- If you connect the AC power cord before the antenna connections are completed, the channels may be incorrectly set. If this happens, see “Step 6 : Presetting channels” on page 19.
- Do not press any buttons on the VCR or remote commander during Auto preset.
- Auto preset starts automatically only when you plug in the AC power cord for the first time after you purchase the VCR.
- Auto preset can be performed by pressing ■ STOP continuously for 5 seconds or more with the VCR power turned off.

Hookup 2 (Plug and Play)

You have no cable box, or a cable box with only a few scrambled channels

Recommended use

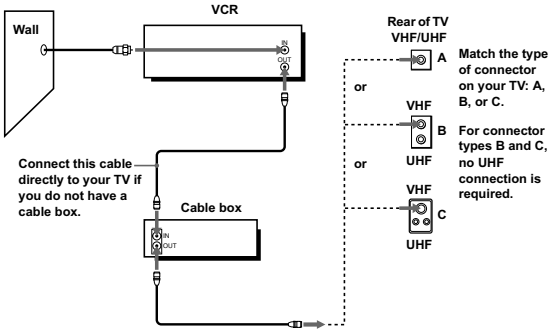
Use this hookup if you do not have a cable box. Also use this hookup if your cable system scrambles only a few channels.

What you can do with this hookup

- Record any unscrambled channel by selecting the channel on the VCR

What you cannot do

- Record scrambled channels that require a cable box

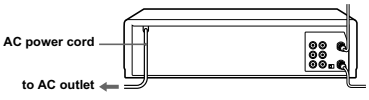


continued

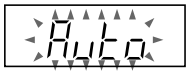
Hookup 2 : VCR setup

Plug the VCR into the AC outlet.

The VCR automatically presets the TV channels when the VCR is plugged into the AC outlet.



The VCR starts presetting the channels.



You have now completed VCR setup.

To change the on-screen display language, see “Step 5 : Selecting a language” on page 18.

To add or disable channels manually, see “Presetting/disabling channels manually” on page 21.

Notes

- If you connect the AC power cord before the antenna connections are completed, the channels may be incorrectly set. If this happens, see “Step 6 : Presetting channels” on page 19.
- Do not press any buttons on the VCR or remote commander during Auto preset.
- Auto preset starts automatically only when you plug in the AC power cord for the first time after you purchase the VCR.
- Auto preset can be performed by pressing ■ STOP continuously for 5 seconds or more with the VCR power turned off.

Hookup 3

Connecting a cable box with many scrambled channels

Recommended use

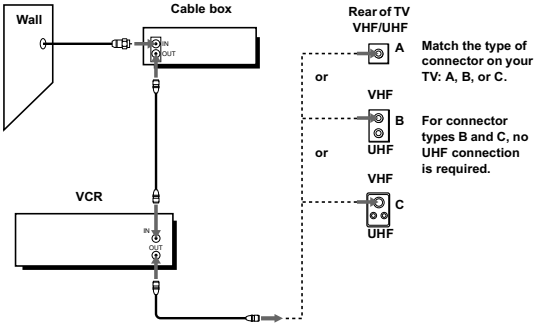
Use this hookup if your cable system scrambles all or most channels.

What you can do with this hookup

- Record any channel by selecting the channel on the cable box

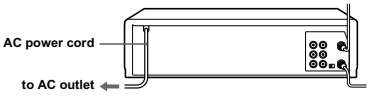
What you cannot do

- Record with the cable box turned off
- Record one channel while watching another channel



After you have completed hookup…

After you have completed hookup, plug the VCR into the AC outlet and see “Step 5 : Selecting a language” on page 18.

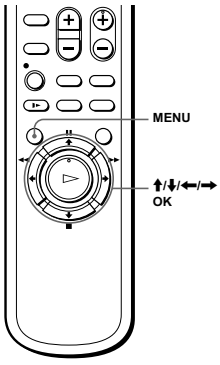


Step 4 : Setting the clock

Set the time and date to use the timer feature for recording programs.

Before you start…

- Turn on the VCR and the TV.
- Set the CH switch on the rear of the VCR to 3 or 4, whichever channel is not used in your area. If both are used, set the switch to either channel (page 49). If your TV is connected to the VCR using A/V connections, set the TV to video input.
- Press TV/VIDEO to display the VIDEO indicator in the VCR's display window.



1 MENU — Press MENU.

2 PLAY/OK — Press ↑/↓ to move the cursor (▶) to "Ajuste del reloj," then press OK.

3 PLAY/OK — Press ↑/↓ to set the day.

4 PLAY/OK — Press → to flash the month and press ↑/↓ to set the month.

5 Set the year, hour, and minutes in the same way as the month.

The day of the week is set automatically.

6 PLAY/OK — Press OK or MENU to start the clock.

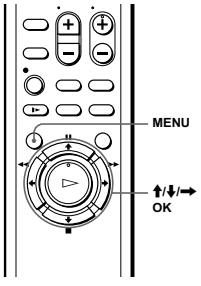
MENU

Step 5 : Selecting a language

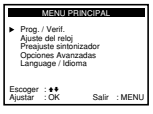
You can change the on-screen display language.

Before you start…

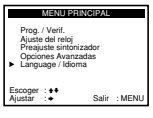
- Turn on the VCR and the TV.
- Set the CH switch on the rear of the VCR to 3 or 4, whichever channel is not used in your area. If both are used, set the switch to either channel (page 49). If your TV is connected to the VCR using A/V connections, set the TV to video input.
- Press TV/VIDEO to display the VIDEO indicator in the VCR's display window.



1 MENU — Press MENU.



2 PLAY/OK — Press ↑/↓ to move the cursor (▶) to "Language/Idioma."



3 PLAY/OK — Press → to select the desired language, English or Spanish.

4 MENU — Press MENU to exit the menu.

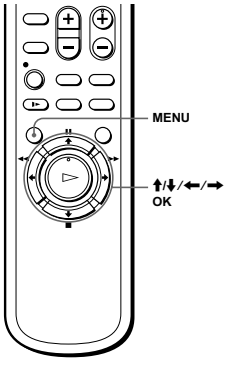
Step 6 : Presetting channels

This VCR is capable of receiving VHF channels 2 to 13, UHF channels 14 to 69 and unscrambled CATV channels 1 to 125. First, we recommend that you preset the receivable channels in your area using automatic presetting methods. Then, if there are any unwanted channels, disable them manually. If you have already decided which channels you wish to preset, set them directly using manual presetting methods (page 21).

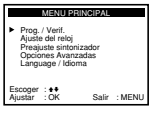
Presetting all receivable channels automatically

Before you start…

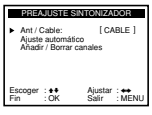
- Turn on the VCR and the TV. When using a cable box, turn it on.
- Set the CH switch on the rear of the VCR to 3 or 4, whichever channel is not used in your area. If both are used, set the switch to either channel (page 49). If your TV is connected to the VCR using A/V connections, set the TV to video input.
- Press TV/VIDEO to display the VIDEO indicator in the VCR's display window.



1 MENU — Press MENU.



2 PLAY/OK — Press ↑/↓ to move the cursor (▶) to "Preajuste sintonizador," then press OK.

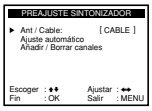


continued

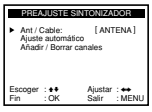
3 Press ↑/↓ to move the cursor (▶) to "Ant/Cable."

4

- To preset cable TV channels:
  Press ←/→ to select CABLE.

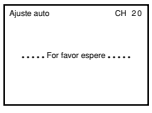


- To preset VHF and UHF channels:
  Press ←/→ to select ANTENA.



5 Press ↑/↓ to move the cursor (▶) to "Ajuste automático," then press OK.

All receivable channels are preset in numerical sequence. When no more receivable channels can be found, presetting stops and the picture from the lowest numbered channel is displayed on the TV screen.

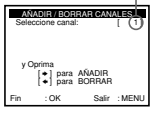


3 Press ↑/↓ to move the cursor (▶) to "Añadir/Borrar canales," then press OK.

4

- To preset a channel:
  1. Press the number buttons to enter the channel number, then press ENTER.
  2. Press →, then press OK or MENU.

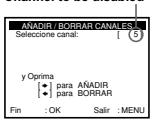
Channel to be preset



MENU

- To disable a channel:
  1. Press CH +/– to select the channel number.
  2. Press ←, then press OK or MENU.

Channel to be disabled

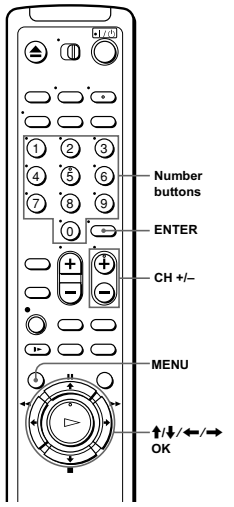


MENU

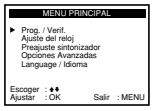
Presetting/disabling channels manually

Before you start...

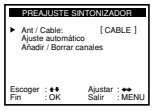
- Turn on the VCR and the TV. When using a cable box, turn it on.
- Set the CH switch on the rear of the VCR to 3 or 4, whichever channel is not used in your area. If both are used, set the switch to either channel (page 49). If your TV is connected to the VCR using A/V connections, set the TV to video input.
- Press TV/VIDEO to display the VIDEO indicator in the VCR's display window.



1 MENU Press MENU.



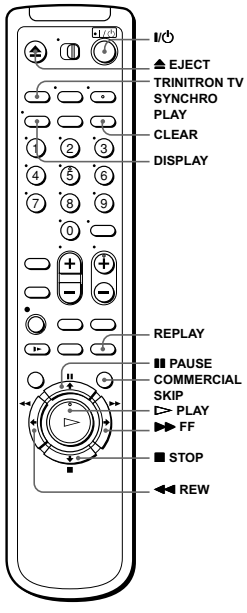
2 Press ↑/↓ to move the cursor (▶) to "Preajuste sintonizador," then press OK.



continued

Basic Operations

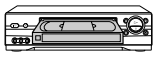
Playing a tape



1 Turn on your TV and set it to the video channel.

2 Insert a tape.

The VCR turns on and starts playing automatically if you insert a tape with its safety tab removed.

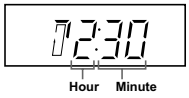


continued

3 Press ▷ PLAY.

The display window shows the playback time and playback direction.

When the tape reaches the end, it will rewind automatically.



Additional tasks

To	Press
Stop play	■ STOP
Pause play	❚❚ PAUSE
Resume play after pause	❚❚ PAUSE or ▷ PLAY
Fast-forward the tape	▶▶ FF during stop
Rewind the tape	◀◀ REW during stop
Eject the tape	⏏ EJECT

To play a recently watched scene

You can immediately rewind and playback the scene you want to watch again.

During playback, press REPLAY. The VCR rewinds the tape about ten seconds on the counter for each press of the button, and restarts playback.

To skip playback

You can skip a portion of playback you do not want to watch (such as a commercial) and restart playback.

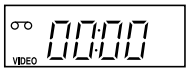
During playback, press COMMERCIAL SKIP up to four times. The VCR skips the tape 30 seconds on the counter for each press of the button, and restarts playback.

To turn off the power while rewinding (Rewind Shut Off)

Press **I**/⏻ while the tape is rewinding. The power will turn off but the tape will keep rewinding until it reaches the end.

To use the time counter

Press CLEAR at the point on the tape that you want to find later. The counter in the display window resets to "00:00" or "0:00." To search for the counter 0:00:00 point automatically, see "To search for the counter 0:00:00 point" on page 44.



To display the counter on the TV screen, press DISPLAY.

Notes

- Tapes recorded in the LP mode on other VCRs can be played back on this VCR but the picture quality cannot be guaranteed.
- While displaying a menu on the TV screen, you cannot use ▷ PLAY, ❚❚ PAUSE, ▶▶ FF, ◀◀ REW, or ■ STOP buttons.
- The counter resets to "00:00" or "0:00" (in the display window) or "0:00:00" (on the TV screen) whenever a tape is reinserted.
- The counter stops counting when it comes to a portion with no recording.
- When 10 hours have passed, the counter in the display window returns to "0:00" and the count starts over again.
- When playback does not start even if you insert a tape with its safety tab removed, set "Auto-reproducción" in the OPCIONES menu correctly (page 46).

Turning on the VCR and TV, and starting playback automatically (Trinitron TV Synchro Play)

You can only use this function if your TV is made by Sony (Trinitron TV).

How to connect to use this function

Connect the VCR and TV with the audio/video cable (see "Audio/video (A/V) hookup" on pages 9 and 10). Be sure to connect the audio/video cable to the VIDEO IN 1 jacks on the TV if the TV has two inputs or more. The TV must be placed where it will respond to the remote commander while you are pointing it at the VCR.

Operation

Make sure that the TV's power is in standby mode.

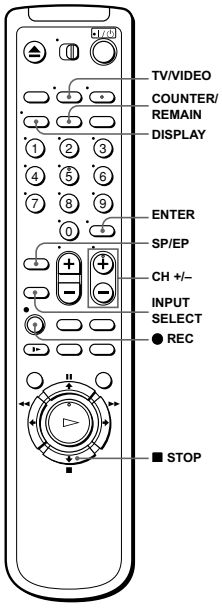
Press TRINITRON TV SYNCHRO PLAY and hold the remote commander in place for about two seconds.

The VCR and TV turn on, and the TV is set to the video channel. If there is a tape in the VCR, playback starts automatically.

Notes

- If the Trinitron TV Synchro Play function does not work properly:
  – Wait a few moments, and press the button again.
  – Replace both of the batteries with new ones, and press the button again.
  Note that this function may not operate some Sony TVs because of the remote commander's signal limitations.
- Do not press TRINITRON TV SYNCHRO PLAY during playback. If you do so, the TV's input source will momentarily switch to the TV's tuner.

Recording TV programs



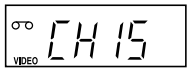
1 Turn on your TV and set it to the video channel.

To record from a cable box, turn it on.

2 Insert a tape with its safety tab in place.

3 • CH

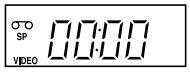
Press CH +/– to select the channel or line input video source you want to record.



4 SP / EP

Press SP/EP to select the tape speed, SP or EP.

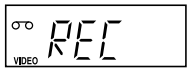
EP (Extended Play) provides recording time three times as long as SP (Standard Play). However, SP produces better picture and audio quality.



5 ●REC

Press ● REC to start recording.

"REC" appears in the display window.

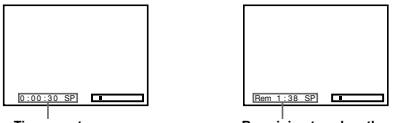


To stop recording

Press ■ STOP.

To check the remaining tape length

Press DISPLAY. With the display on, press COUNTER/REMAIN to check the remaining time. Each time you press COUNTER/REMAIN, the time counter and the remaining tape length appear alternately. The white bar indicates the current location in relation to the entire tape length. The remaining time also appears in the display window.



To check the remaining tape length of a tape, set "Selc. de cinta" in the OPCIONES menu correctly (page 46).

continued

To watch another TV program while recording

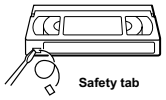
1 Press TV/VIDEO to turn off the VIDEO indicator in the display window.

2 If your TV is connected to the VCR using A/V connections, set the TV to the TV's antenna input; if not, skip this step.

3 Select another channel on the TV.

To save a recording

To prevent accidental erasure, break off the safety tab as illustrated. To record on the tape again, cover the tab hole with adhesive tape.



Tips

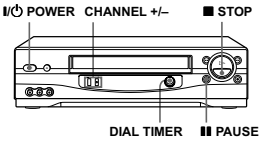
- To select a channel, you can use the number buttons on the remote commander. Enter the channel number, then press ENTER.
- You can select a video source from the LINE IN 1 or LINE-2 IN jacks using the INPUT SELECT button.
- The display appears on the TV screen indicating information about the tape, but the information will not be recorded on the tape.
- If you do not want to watch TV while recording, you can turn off the TV. When using a cable box, make sure to leave it on.

Notes

- The remaining tape length may not be indicated accurately for short tapes such as T-20 or T-30, or tapes recorded in the LP mode.
- The display does not appear during still (pause) mode or slow-motion playback.
- It may take up to one minute for the VCR to calculate and display the remaining tape length after you press DISPLAY.

Recording TV programs using the Dial Timer

The Dial Timer function allows you to make timer recordings of programs without turning on your TV. Set the recording timer to record up to eight programs that will be broadcast within a month using the DIAL TIMER. The recording start time and recording stop time can be set at one minute intervals.



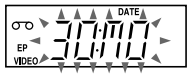
Before you start...

- When using a cable box, turn it on.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.

1 DIAL TIMER Press DIAL TIMER.

The current date appears in the display window.

If the date and time are not set, "1" will appear. See step 2 in the following section "To set the clock" to set the date and time.



2 DIAL TIMER Turn DIAL TIMER to set the recording date.

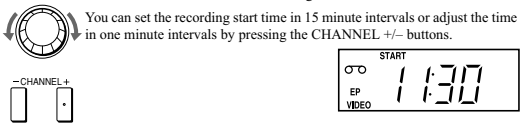
3 DIAL TIMER Press DIAL TIMER.

"AM" or "PM" and the time appear alternately in the display window.

continued

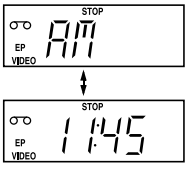
4 DIAL TIMER Turn DIAL TIMER to set the recording start time.

You can set the recording start time in 15 minute intervals or adjust the time in one minute intervals by pressing the CHANNEL +/– buttons.



5 DIAL TIMER Press DIAL TIMER.

"AM" or "PM" and the time appear alternately in the display window.

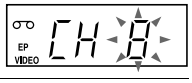


6 DIAL TIMER Turn DIAL TIMER to set the recording stop time.

You can set the recording stop time in 15 minute intervals or adjust the time in one minute intervals by pressing the CHANNEL +/– buttons.

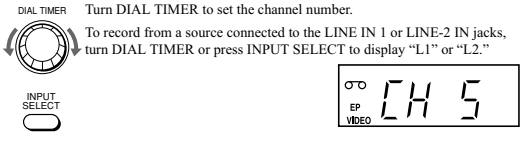
7 DIAL TIMER Press DIAL TIMER.

The channel number appears in the display window.



8 DIAL TIMER Turn DIAL TIMER to set the channel number.

To record from a source connected to the LINE IN 1 or LINE-2 IN jacks, turn DIAL TIMER or press INPUT SELECT to display "L1" or "L2."



9 DIAL TIMER Press DIAL TIMER to complete the setting.

"OK" appears in the display window for about five seconds.
The TIMER indicator appears in the display window and the VCR stands by for recording. When using a cable box, leave it on.

To return to the previous step

To return to the previous step, press the CHANNEL + and – buttons on the VCR at the same time during any of the Dial Timer settings.

To stop recording

To stop the VCR while recording, press ■ STOP.

To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press I/⏻. The TIMER indicator disappears from the display window and the VCR switches on. Remember to press I/⏻ to reset the VCR to the timer recording standby mode after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter (page 25).
- Display tape information on the TV screen (page 27).
- Check the timer settings (page 40).
- Watch another TV program (page 28).

To set the clock

1 Hold down DIAL TIMER so that the DAY indicator and "1" appear in the display window. However, if the clock has already been set, the current setting appears.

2 Turn DIAL TIMER to set the day.

3 Press DIAL TIMER.
The MONTH indicator and "1" appear in the display window.

4 Turn and press DIAL TIMER to set the month and then the year.
After you set the year, "AM" and "12:– –" appear alternately in the display window.

5 Turn and press DIAL TIMER to set the hour and minute.

6 When you have finished setting the time, press DIAL TIMER to start the clock.

Tips

- To cancel a Dial Timer setting, press ■ STOP on the VCR while you are making the setting.
- The program is recorded in the current tape speed. To change the tape speed, press SP/EP before you complete the setting in step 9 (page 31).
- To check, change, or cancel the program setting, see "Checking/changing/canceling timer settings" on page 40.

continued

Notes

- If eight programs have already been set using the manual timer setting, “FULL” appears in the display window for about five seconds.
- The TIMER indicator flashes in the display window when you complete the setting in step 9 on page 31 with no tape inserted.
- When the setting time is incorrect, “Err” appears in the display window in step 9. Set the timer again from step 1.
- You cannot set the tape speed to “AUTO” using the DIAL TIMER. To select “AUTO,” set the “VEL” position in “Prog./Verif.”

About the Demonstration Mode

The Dial Timer function has a Demonstration Mode that allows the user, such as a salesperson, to enter more than eight examples of timer settings when demonstrating the use of the Dial Timer. It cancels the FULL notice which appears if eight programs have already been set. Do not use the Demonstration Mode for making timer recordings. Doing so may cause the settings to be inaccurate.

To activate the Demonstration Mode

Press ❚❚ PAUSE on the VCR while turning the DIAL TIMER. “DEMO” appears in the display window for a few seconds.

To cancel the Demonstration Mode

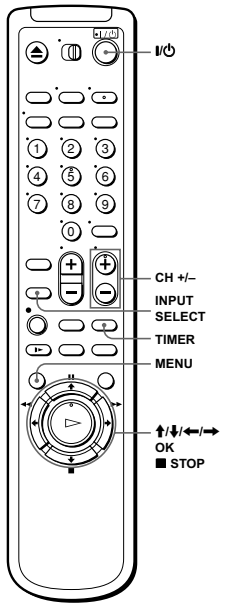
Turn the power off and unplug the AC power cord. Although the Demonstration Mode is canceled, the timer settings entered while using the Demonstration Mode will remain. Be sure to manually cancel the timer settings before you use the Dial Timer or any other timer method after reconnecting the AC power cord (page 40).

Recording TV programs using the timer

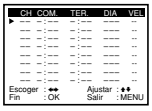
You can preset up to eight programs together with the DIAL TIMER at one time.

Before you start…

- Check that the VCR clock is set to the correct time.
- Turn on the VCR and the TV and set it to the video channel. When using a cable box, turn it on.
- Insert a tape with its safety tab in place. Make sure the tape is longer than the total recording time.



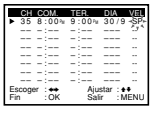
1 TIMER — Press TIMER.



continued

2 PLAY/OK — If necessary, press ↑/↓ to move the cursor (▶) to the row that is to be set.

3 PLAY/OK — Set the channel number, start and stop time, date, and tape speed:



1 Press ➡ to flash each item in turn.

2 Press ↑/↓ to set each item.

INPUT SELECT — To correct a setting, press ← to return to that setting and reset.

To record from a source connected to the LINE IN 1 or LINE-2 IN jacks, press INPUT SELECT or CH +/– to display “L1” or “L2” in the “CH” position.

• CH — To record the same program every day or the same day every week, press ↓ while the date is flashing. For details, see “Daily/weekly recording” below.

To use the Auto Tape Speed function, press ↓ to display “AUTO” in the “VEL” position. For details, see “To use the Auto Tape Speed function” on page 35.

4 PLAY/OK — Press OK to confirm the setting.

To enter another setting, press ↑/↓ to select the next row and repeat step 4.

5 TIMER — Press TIMER to exit the menu.

6 I/⏻ — Press I/⏻ to turn off the VCR.

The TIMER indicator appears in the display window and the VCR stands by for recording. When using a cable box, leave it on.

To stop recording

To stop the VCR while recording, press ■ STOP.

Daily/weekly recording

In step 4 above, press ↓ to select the recording pattern. Each time you press ↓, the indication changes as shown below. Press ↑ to change the indication in reverse order.

LU–VI → CADA DO → CADA LU → ..... → CADA–SA → 1 month later → (dates count down) → the current date

To use the VCR after setting the timer

To use the VCR before a timer recording begins, just press I/⏻. The TIMER indicator disappears from the display window and the VCR switches on. Remember to press I/⏻ to reset the VCR to the timer recording standby mode after using the VCR.

You can also do the following tasks while the VCR is recording:

- Reset the counter (page 25).
- Display tape information on the TV screen (page 27).
- Check the timer settings (page 40).
- Watch another TV program (page 28).

To use the Auto Tape Speed function

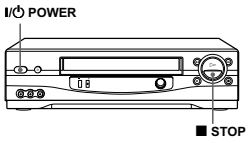
When you are recording a program in the SP mode and the remaining tape becomes shorter than the recording time, the tape speed is automatically changed to the EP mode. Note that some noise will appear on the picture when the tape speed is changed. If you want to keep the tape speed, select SP. To operate this function, set “Selc. de cinta” in the OPCIONES menu correctly (page 46).

Tips

- To set the channel, you can also use the CH +/– or number buttons.
- To show the “Prog./Verif.,” you can use the MENU button. Press MENU, press ↑/↓ to move the cursor (▶) to “Prog./Verif.,” then press OK.
- If the ⎘ indicator appears, the timer settings overlap. To check, change or cancel the program setting, see “Checking/changing/canceling timer settings” on page 40.
- If the ● indicator appears, this means that the VCR is currently recording this program.

Locking the VCR (Child Lock)

After you have set the timer, you can lock all of the buttons on the VCR so that the settings are not canceled by mistake.



To lock the VCR

When the VCR is turned on, hold down I/⏻ POWER on the VCR until "LOC" appears in the display window. The VCR turns off and the TIMER indicator remains lit if there is a timer setting. The VCR will not work except for timer recordings.

To unlock the VCR

Hold down I/⏻ POWER on the VCR until "LOC" disappears from the display window. The VCR is unlocked and turns on.

To stop timer recording while the VCR is locked, press ■ STOP. The recording stops and the VCR is unlocked.

Note

- The VCR will be unlocked when:
  - You stop timer recording by pressing ■ STOP.
  - You insert a tape.
  - The AC power cord is disconnected or power supply stops.

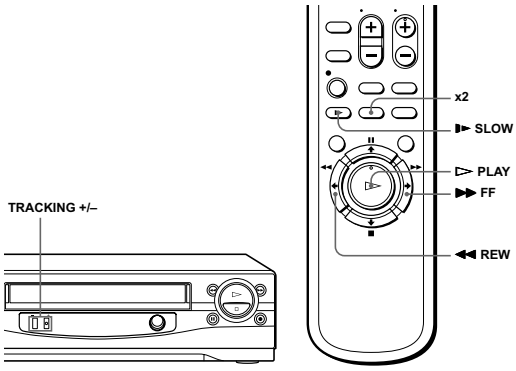
Tip

- Adjust the picture using the TRACKING +/– buttons if:
  - Streaks appear while playing in slow motion.
  - The picture shakes during pause.
- The VCR turns on and starts playback automatically by pressing ▷ PLAY on the VCR with the VCR power turned off.

Notes

- The sound is muted during these operations.
- Tapes recorded in the LP mode on other VCRs can be played back on this VCR but the picture quality cannot be guaranteed.
- The picture may show noise when playing at high speed in reverse.

Playing/searching at various speeds



Playback options	Operation
View the picture during fast-forward or rewind	During fast-forward, hold down ▶▶ FF. During rewind, hold down ◀◀ REW.
Play at high speed	• During playback, briefly press ▶▶ FF or ◀◀ REW. The tape continues to play at high speed. • During playback, hold down ▶▶ FF or ◀◀ REW. When you release the button, normal playback resumes.
Play at twice the normal speed	During playback, press ×2.
Play in slow motion	During playback or pause, press ▮► SLOW.
Play frame by frame	During pause, press ▶▶ FF on the remote commander.

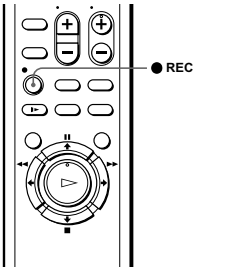
To resume normal playback

Press ▷ PLAY.

continued

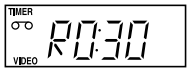
Setting the recording duration time

After you have started recording, you can have the VCR stop recording automatically after a specified duration.



1 While recording, press ● REC.

The TIMER indicator appears in the display window.



2 Press ● REC repeatedly to set the duration time.

Each press advances the time in increments of 30 minutes.

0:30 → 1:00 ----→ 3:30 → 4:00 → Normal recording

The tape counter decreases minute by minute to 0:00, then the VCR stops recording and turns off automatically.

To extend the duration

Press ● REC repeatedly to set a new duration time.

To cancel the duration

Press ● REC repeatedly until the TIMER indicator disappears and the VCR returns to normal recording mode.

To stop while recording

Press ■ STOP.

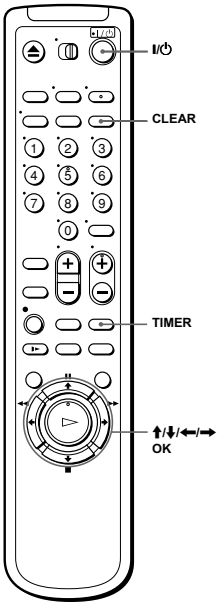
Note

- You cannot display the current tape time in the display window when setting the recording duration time.

Checking/changing/canceling timer settings

Before you start…

- Turn on the TV and set it to the video channel.



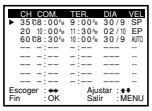
1 Press I/⏻ to turn on the VCR.

2 Press TIMER.

- If you want to change a setting, go on to the next step.
- If you do not need to change the settings, press MENU, then turn off the VCR to return to recording standby.

3 Press ↑/↓ to move the cursor (▶) to the setting you want to change or cancel.

- To change the setting, press ←/→ to flash the item you want to change, and press ↑/↓ to change it.
- To cancel the setting, press CLEAR.



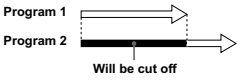
4 Press OK to confirm the setting.

5 Press TIMER to exit the menu.

If any timer settings remain, turn off the VCR to return to recording standby.

When the timer settings overlap

The program that starts first has priority and the second program starts recording only after the first program has finished. If the programs start at the same time, the program listed first in the menu has priority.



Tip

- To show the "Prog./Verif.," you can use the MENU button. Press MENU, press ↑/↓ to move the cursor (▶) to "Prog./Verif.," then press OK.

Recording stereo and bilingual programs (not available on SLV-LX55)

Recording stereo programs

When you receive a program broadcast in stereo, press AUDIO MONITOR to display ESTÉREO on the TV screen. You can also select IZQUIERDA, DERECHA, or MONOFÓNICO. If there is noise in the stereo program, select MONOFÓNICO. The sound will be recorded in monaural (on both hi-fi and normal audio tracks) but with less noise.

Recording bilingual programs

Press AUDIO MONITOR to display "SAP" on the TV screen. When a SAP (Second Audio Program) is received, "SAP" appears on the TV screen. When PRINCIPAL is selected, the VCR records only the main sound.

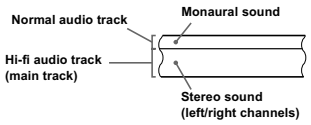
Selecting the sound during playback

During playback, press AUDIO MONITOR to select the sound you want.

To listen to	On-screen display	Display window
Stereo	ESTÉREO	Hi-Fi
Left channel	IZQUIERDA	Hi-Fi
Right channel	DERECHA	Hi-Fi
Monaural sound on the normal audio track	MONOFÓNICO	No indicator

How sound is recorded on a video tape

The VCR records sound onto two separate tracks. Hi-fi audio is recorded onto the main track along with the picture. Monaural sound is recorded onto the normal audio track along the edge of the tape.

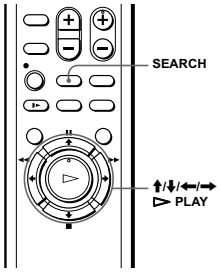


Notes

- To play a tape in stereo, you must use the A/V connections.
- When you play a tape recorded in monaural, the sound is heard in monaural regardless of the AUDIO MONITOR setting.

Searching using various functions

The VCR automatically marks the tape with an index signal at the point where each recording begins.
You can easily find a specific point using various search functions.

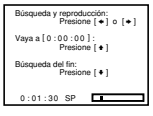


To search using the index function (Scan and Play)

The VCR automatically marks the tape with an index signal at the point where each recording begins. Use these signals as references to find a specific recording.

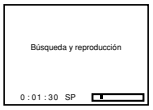
1 Insert an indexed tape into the VCR.

2 Press SEARCH.



3 Press ➡ to scan ahead, or ⬅ to scan backwards.

The VCR searches and then plays back for about five seconds.



4 Press ▷ PLAY to view that program.

If you do not press ▷ PLAY, the VCR automatically searches for the next index mark, or until it reaches the end of the tape.

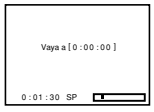
continued

To search for the counter 0:00:00 point

To mark a point on the tape that you want to find later, reset the tape counter to "0:00:00."
The VCR automatically fast-forwards or rewinds to the 0:00:00 point on the tape counter.

1 Press SEARCH.

2 Press ↑.
The VCR starts searching and automatically stops at the 0:00:00 point.

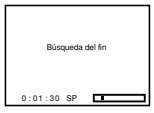


To search for a blank portion of the tape

The VCR automatically searches for the beginning of a blank portion. You can easily find a point you can start recording from.

1 Press SEARCH.

2 Press ↓.
The VCR starts searching and automatically stops at the beginning of a blank space. If no blank space is found, the VCR reaches the end and the tape will be ejected.



Note

- Once in recording mode, if the VCR is put in pause and then released to start the recording, no index mark will be inserted. An index mark will be inserted if the channel is changed while VCR is put in pause.

Adjusting the picture (tracking)

Although the VCR automatically adjusts the tracking when playing a tape, distortion may occur if the recording is in poor condition. In this case, manually adjust the tracking.

Press TRACKING +/– on the VCR to display the tracking meter. The distortion should disappear as you press one of the two tracking buttons. To resume automatic tracking adjustment, eject the tape and reinsert it.

Tracking meter

Note

- The auto tracking adjustment cannot be guaranteed to work with tapes recorded in the LP mode on other VCRs.

Changing menu options

1 Press MENU.

2 Press ↑/↓ to move the cursor (▶) to "Opciones," then press OK.

3 Press ↑/↓ to move the cursor (▶) to the option to change.

4 Press ←/→ to change the setting, then press OK.

5 Press MENU to exit the menu.

Menu choices

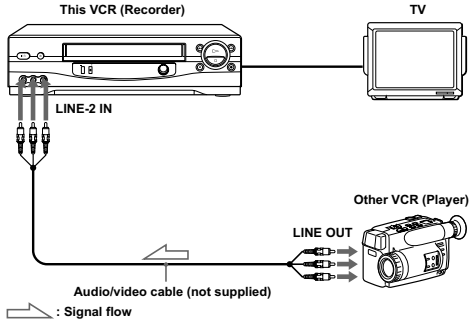
Initial settings are indicated in bold print.

Menu option	Set this option to
Selc. de cinta	• **T-120** when using a T-120 or shorter length tape. • T-160 when using a T-160 length tape. • T-180 when using a T-180 or longer length tape. For details, see page 27.
Auto-reproducción	• **SI** to start playback automatically, when you insert a tape with its safety tab removed. • NO to turn off Auto play. You need to press ▷ PLAY to start playback, even if you insert a tape with its safety tab removed.
Auto-repetición	• SI to play back a tape repeatedly. The VCR rewinds a tape to the beginning and restarts playback automatically. • **NO** to turn off Auto repeat.
Auto-apagado	• 1Hr to turn off the VCR automatically one hour after the last operation. • 2Hr to turn off the VCR automatically two hours after the last operation. • **NO** to set no specific time to turn off.
Ahorro energía	• SI to turn off the indicators in the display window during standby mode to reduce the VCR's power consumption to a minimum. • **NO** to turn on the indicators in the display window while the VCR is standing by.

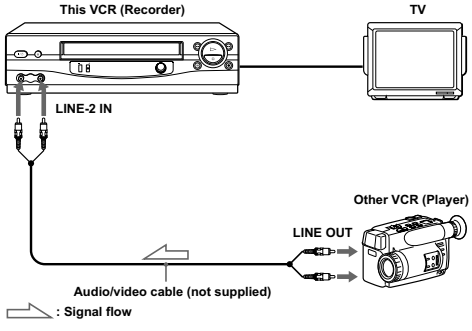
Editing with another VCR

How to connect to record on this VCR

For SLV-LX77S and SLV-LX66S



For SLV-LX55



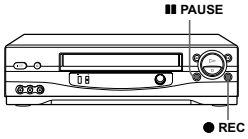
continued

Notes

- Make sure you connect the plugs to jacks of the same color.
- If the other VCR is a monaural type and connected to this VCR's LINE-2 IN jacks, connect the audio plug to the AUDIO L (white) jack. The sound is recorded on both right and left channels. If you connect to the AUDIO R (red) jack, the sound is recorded only on the right channel (SLV-LX77S and SLV-LX66S only).
- If you connected this VCR to both the LINE IN and LINE OUT jacks of the other VCR, select the input correctly to prevent a humming noise.
- You can use the LINE IN 1 jacks for editing.
- If the other VCR is a monaural type and connected to this VCR's LINE IN 1 jacks, the sound is recorded only on the channel whose jack is connected to the audio plug. To record on both right and left channels, connect the audio plugs to the AUDIO R/L jacks using a VMC-910MS audio/video cable (not supplied) (SLV-LX77S and SLV-LX66S only).

Operation (when recording on this VCR)

Before you start editing



- Turn on the VCR and the TV and set it to the video channel.
- Press INPUT SELECT or CHANNEL +/– to display "L1" or "L2" in the display window.
- Press SP/EP to select the tape speed, SP or EP.

1 Insert a source tape with its safety tab removed into the other (playback) VCR. Search for the point to start playback and set it to playback pause.

2 Insert a tape into this (recording) VCR. Search for the point to start recording and press ❚❚ PAUSE.

3 Press ● REC on this VCR to set it to recording pause.

4 To start editing, press the ❚❚ PAUSE buttons on both VCRs at the same time.

To stop editing

Press the ■ STOP buttons on both VCRs.

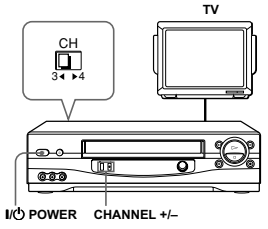
Tip

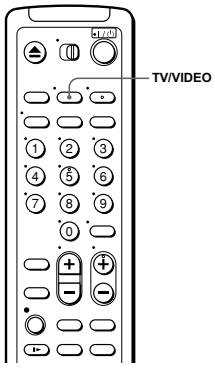
- To cut out unwanted scenes while editing, press ❚❚ PAUSE on this VCR when an unwanted scene begins. When it ends, press ❚❚ PAUSE again to resume recording.

General setup information

Setting the RF unit

When connecting the VCR to the TV using only the antenna cable, you must set the CH switch on the rear of the VCR so that the TV can receive the correct signal from the VCR.





1 Set the CH switch on the rear of the VCR to 3 or 4, whichever channel is not used in your area. If both are used, set the switch to either channel.

2 Press I/⏻ POWER to turn on the VCR.

3 Press TV/VIDEO to turn on the VIDEO indicator in the VCR's display window.

4 Press CHANNEL +/– to display a channel number in the display window.

Select an active channel number in your area.

5 Turn on your TV and set it to the channel you selected in step 1 (channel 3 or 4).

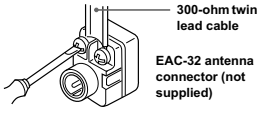
The channel you selected in step 4 appears on the TV screen. If the channels change when you press CHANNEL +/–, you have made the correct setting.

Whenever you use the VCR, set the TV to the channel selected in step 1.

continued

Attaching the external antenna connector

When using a 300-ohm twin lead cable for a VHF/UHF antenna, use the EAC-32 antenna connector (not supplied) to connect the antenna to the VCR.



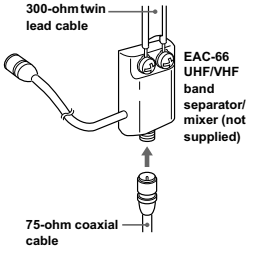
1 Loosen the screws on the antenna connector.

2 Wind the twin leads around the screws on the antenna connector.

3 Retighten the screws.

Attaching a UHF/VHF band mixer

When using both a 75-ohm coaxial cable and a 300-ohm twin lead cable for a VHF/UHF antenna, use the EAC-66 UHF/VHF band separator/mixer (not supplied) to connect the antenna to the VCR.



1 Loosen the screws on the mixer.

2 Wind the twin leads around the screws on the mixer.

3 Retighten the screws.

4 Connect the 75-ohm coaxial cable to the mixer.

Troubleshooting

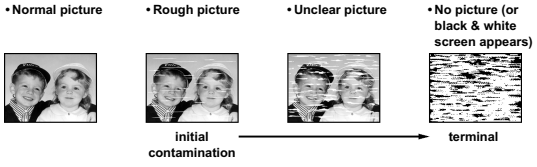
If you have any questions or problems not covered below, please consult your nearest Sony dealer.

	Symptom	Remedy
Power	The I/⏻ switch does not function.	• Connect the AC power cord securely. • Make sure the VCR is not locked. To unlock, hold down I/⏻ POWER on the VCR until "LOC" disappears.
	The power is turned on but the VCR does not operate.	• Moisture condensation has occurred. Turn the power off, unplug the AC power cord and leave the VCR to dry for over three hours.
Clock	The clock has stopped and "– –:– –" appears in the display window.	• The clock stops if the VCR is disconnected from the wall outlet for more than one minute. Reset the clock (and timer).
Playback	The playback picture does not appear on the TV screen.	• Make sure the TV is set to the channel for the VCR. If you are using a monitor, set it to video input.
	The picture is not clear.	• Adjust the tracking with the TRACKING +/– buttons. • The video heads are dirty (see the last page of "Troubleshooting"). Clean the video heads using the Sony T-25CLD or T-25CLDR video head cleaning cassette. If these cleaning cassettes are not available in your area, have the heads cleaned at your nearest Sony dealer (a standard service fee will be charged). Do not use a commercially available liquid type cleaning cassette, as it may damage the video heads. • The video heads may have to be replaced. Consult your local Sony dealer for more information.
	The picture rolls vertically during picture search.	• Adjust the vertical hold control on the TV or monitor.
	The picture has no sound.	• The tape is defective. • If you made A/V connections, check the audio cable connection.
Recording	A TV program does not appear on the TV screen.	• Make sure the TV is set to the channel for the VCR. If you are using a monitor, set it to video input. • Select the correct source with the INPUT SELECT or CH +/– buttons. Select a channel number when recording TV programs; select "L1" or "L2" when recording from other equipment.
	TV reception is poor.	• Adjust the TV antenna.
	The tape starts playing as soon as it is inserted.	• The safety tab has been removed. To record on this tape, cover the tab hole.
	The tape is ejected when you press ● REC.	• Check that the safety tab has not been removed.
	Nothing happens when you press ● REC.	• Make sure the tape is not at its end.

continued

	Symptom	Remedy
Timer recording	The timer does not operate.	• Check that the clock is set. • Make sure a tape has been inserted. • Check that the safety tab has not been removed. • Make sure the tape is not at its end. • Make sure a program has been set for timer recording. • Make sure your timer settings are past the current time. • Check that the cable box is turned on. • The clock stops if the VCR is disconnected from the wall outlet for more than one minute. Reset the clock and timer. • Turn the power off and unplug the AC power cord.
Others	A tape cannot be inserted.	• Check that a tape is not already in the tape compartment.
	The remote commander does not function.	• Make sure you are pointing the remote commander at the remote sensor on the VCR. • Replace all the batteries in the remote commander with new ones if they are weak. • Make sure the •TV / VIDEO switch is set correctly.
	The tracking meter does not appear on the screen.	• The recording condition of the tape is very poor and tracking cannot be adjusted.
	You cannot control other TVs.	• Set your TV's code number. The code number may change when you replace the batteries of the remote commander.
	The VCR needs to be cleaned.	• Clean the cabinet, panel and controls with a dry, soft cloth, or a soft cloth slightly moistened with a mild detergent solution. Do not use any type of solvent, such as alcohol or benzine.

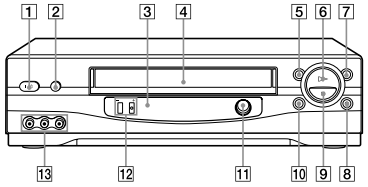
Symptoms caused by contaminated video heads



Index to parts and controls

Refer to the pages indicated in parentheses ( ) for details.

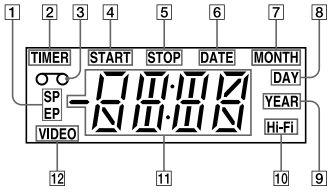
Front panel



1 I/⏻ POWER switch (34)
2 ⏏ EJECT button (24)
3 Remote sensor (5)
4 Tape compartment
5 ◀◀ REW (rewind) button (24) (37)
6 ▷ PLAY button (24)
7 ▶▶ FF (fast-forward) button (24) (37)
8 ● REC (record) button (27) (39) (48)
9 ■ STOP button (24) (48)
10 ❚❚ PAUSE button (24) (48)
11 DIAL TIMER (29)
12 CHANNEL/TRACKING +/– buttons*1 (27) (45)
13 LINE-2 IN VIDEO/AUDIO L/R jacks (LINE-2 IN VIDEO/AUDIO jacks for SLV-LX55) (47)

*1 The CHANNEL + button has a tactile dot.

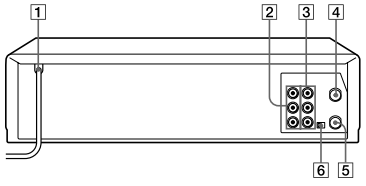
Display window



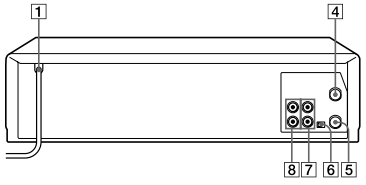
1 SP/EP indicator (27)
2 TIMER indicator (34)
3 Tape indicator (27)
4 START indicator (29)
5 STOP indicator (30)
6 DATE indicator (31)
7 MONTH indicator (31)
8 DAY indicator (31)
9 YEAR indicator (31)
10 Hi-Fi indicator (42)
11 Time counter/clock/line/channel indicator (25) (27) (48)
12 VIDEO indicator (28) (49)

Rear panel

SLV-LX77S/SLV-LX66S



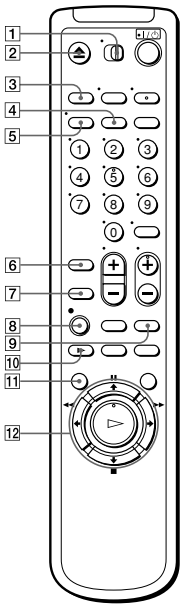
SLV-LX55



1 AC power cord (8) (12) (14)
2 LINE OUT AUDIO R/L/VIDEO jacks (9)
3 LINE IN 1 AUDIO R/L/VIDEO jacks (48)
4 RF IN (FROM ANT.) connector (11) (13) (15)
5 RF OUT (TO TV) connector (11) (13) (15)
6 CH 3/4 switch (49)
7 IN AUDIO/VIDEO (LINE IN 1) jacks (48)
8 OUT AUDIO/VIDEO (LINE OUT) jacks (9)

continued

Remote commander



1 •TV / VIDEO switch (5)

2 ⏏ EJECT button (24)

3 TRINITRON TV SYNCHRO PLAY button (25)

4 COUNTER/REMAIN button (27)

5 DISPLAY button (27)

6 SP (Standard Play)/EP (Extended Play) button (27)

7 INPUT SELECT button (28) (48)

8 ● REC (record) button (27) (39)

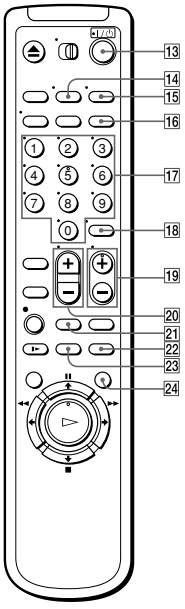
9 TIMER button (33)

10 ▮► SLOW button (37)

11 MENU button (18) (33) (40) (46)

12 ❚❚ PAUSE/↑ button (18) (24)
■ STOP/↓ button (18) (24)
◀◀ REW (rewind)/ ← button (24) (37)
▶▶ FF (fast-forward)/ → button (24) (37)
▷ PLAY/OK button* (18) (24)

* The ▷ PLAY button has a tactile dot.



13 I/⏻ (power) switch (6) (34)

14 TV/VIDEO button (6) (28)

15 AUDIO MONITOR button*1, 2 (42)

16 CLEAR button (25) (41)

17 Number buttons*1 (28)

18 ENTER button (28)

19 CH (channel) +/– buttons*1 (6) (27)

20 VOL (volume) +/– buttons (6)

21 SEARCH button (43)

22 REPLAY button (24)

23 ×2 button (37)

24 COMMERCIAL SKIP button (24)

*1 The AUDIO MONITOR, number 5 and CH + buttons have a tactile dot.

*2 not available on SLV-LX55

continued

2. Disassembly

2-1 Cabinet Top

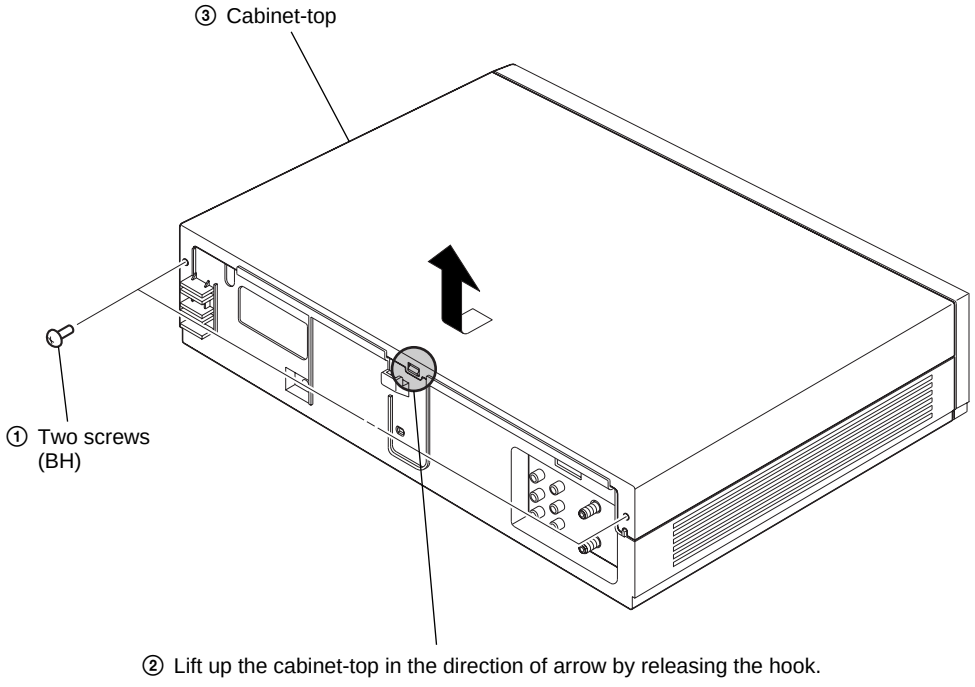


Fig. 2-1 Cabinet Top

2-2 Ass'y-Panel Front

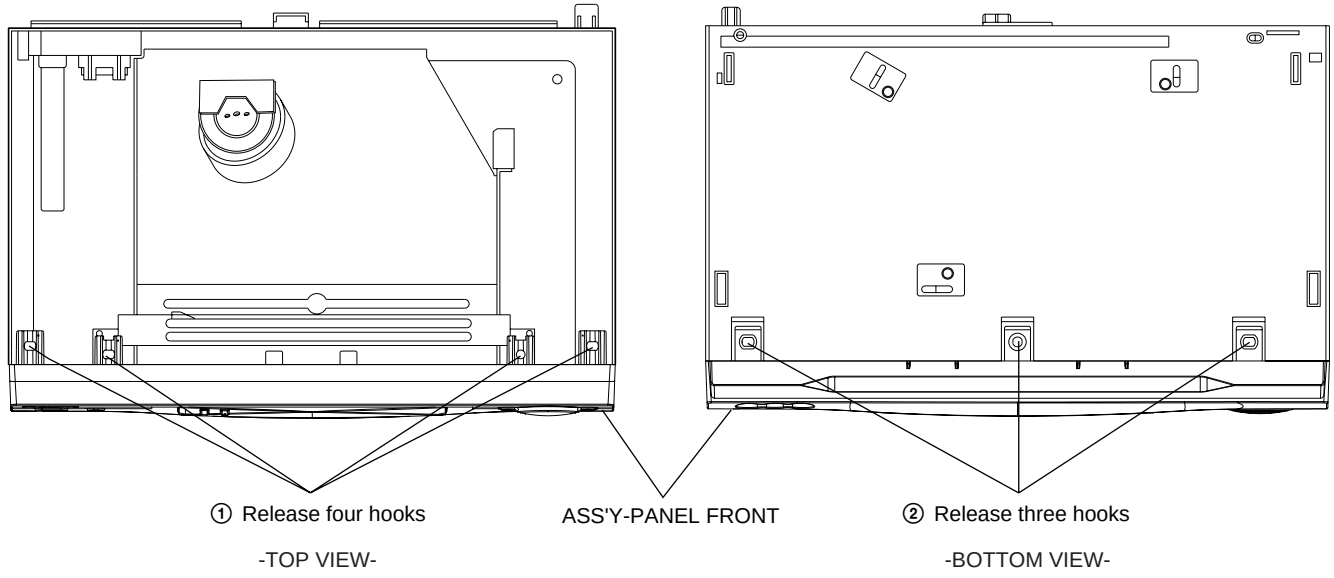
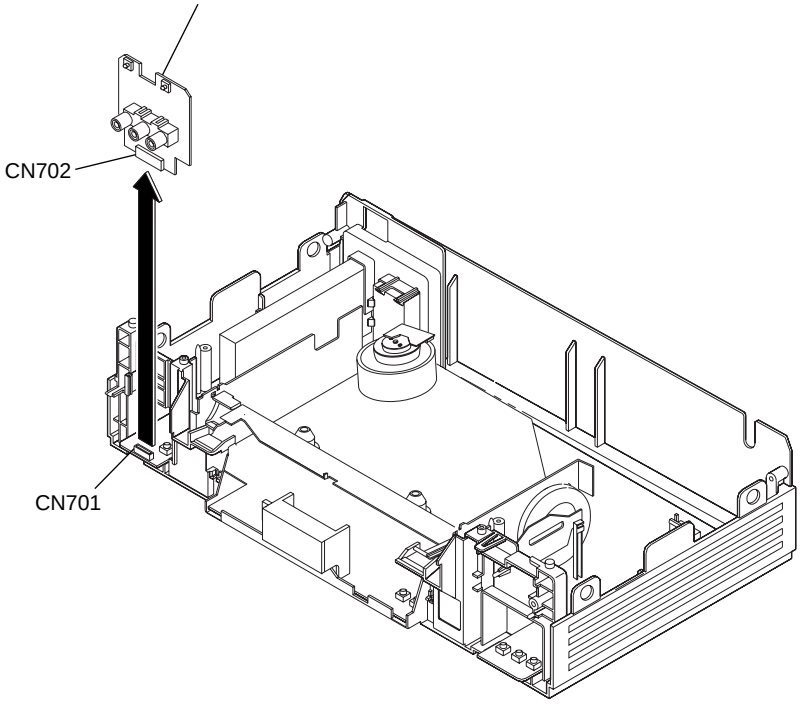


Fig. 2-2 Ass'y-Panel Front

2-3 Ass'y Jack-PCB

Disconnect the CN701 from the main board and then lift the jack board up.



2-4 Ass'y Jack-MAIN, DECK

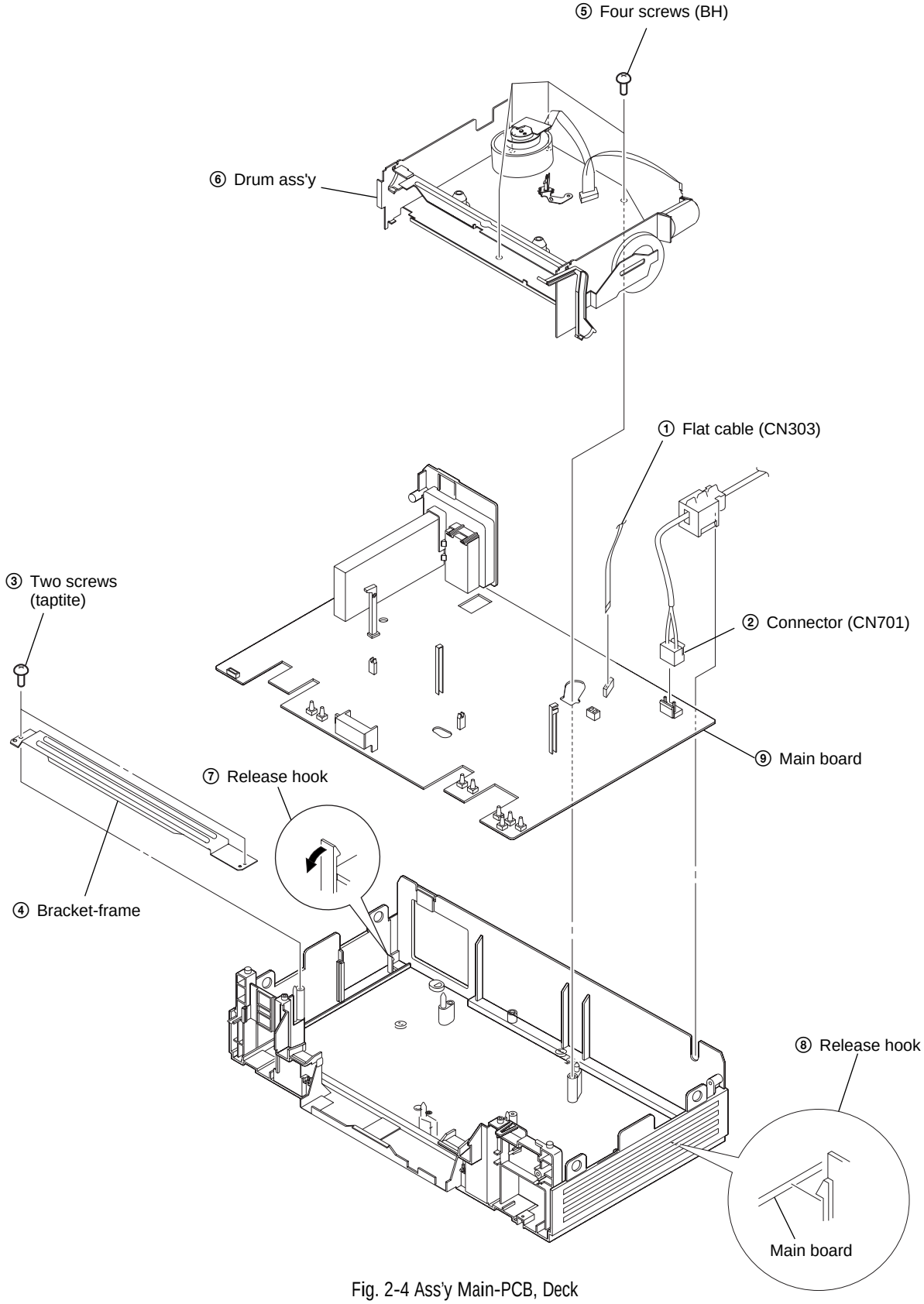


Fig. 2-4 Ass'y Main-PCB, Deck

MEMO

3. P.C.Boards

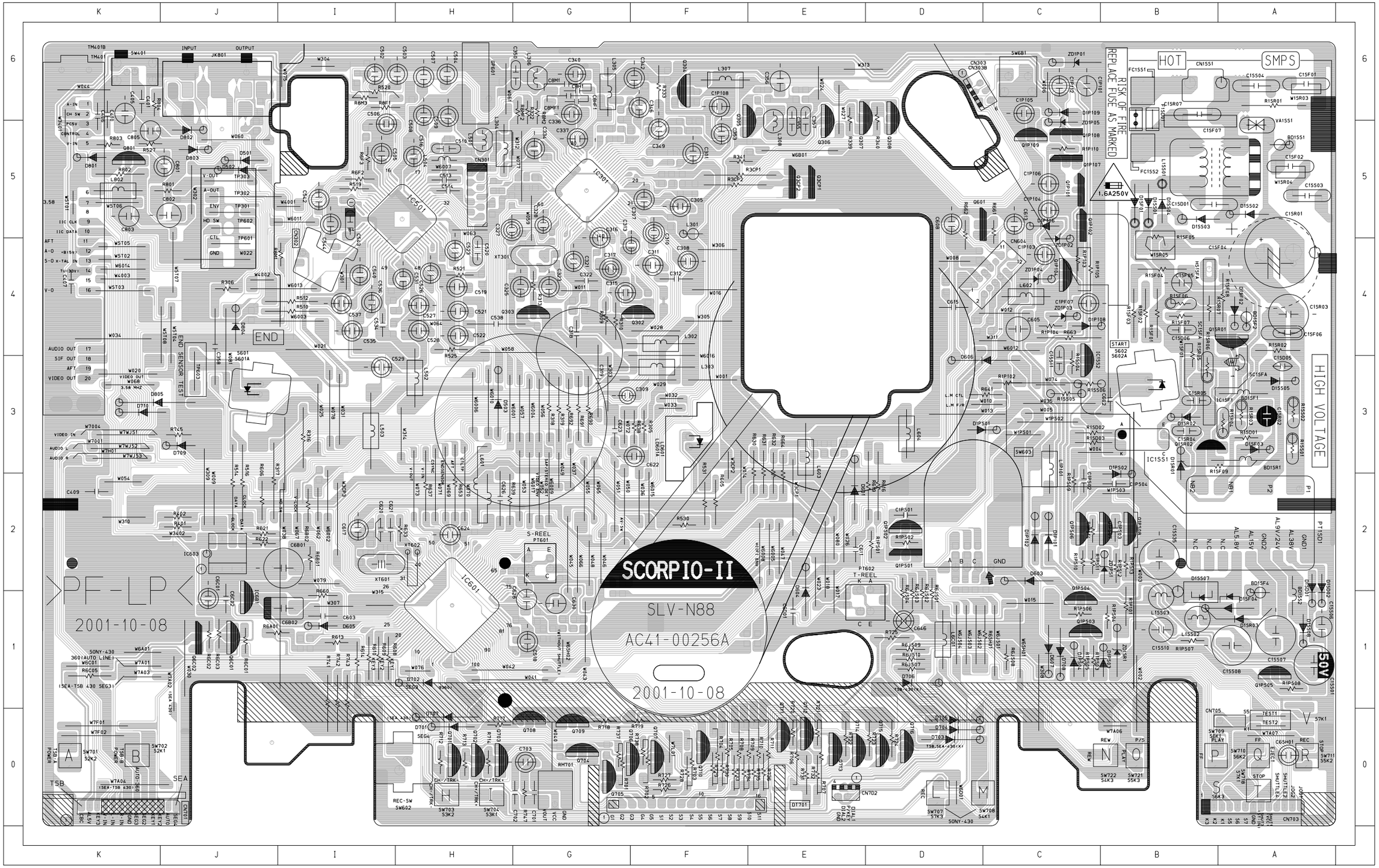
3-1 Main PCB ---------- 3-3

3-2 FUNCTION PCB ---------- 3-7

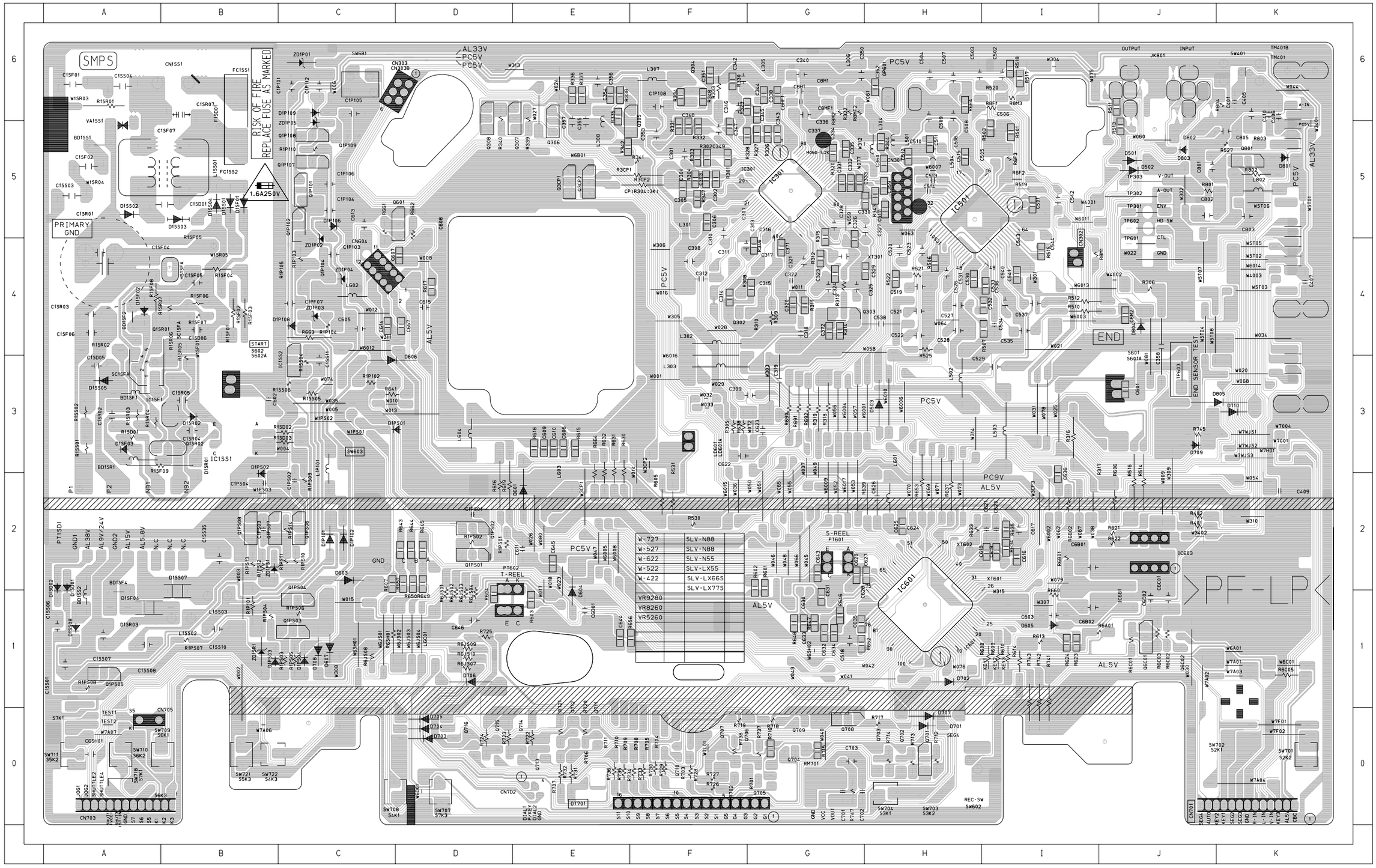
3-3 DIAL TIMER PCB ---------- 3-7

3-1 Main PCB

COMPONENT SIDE

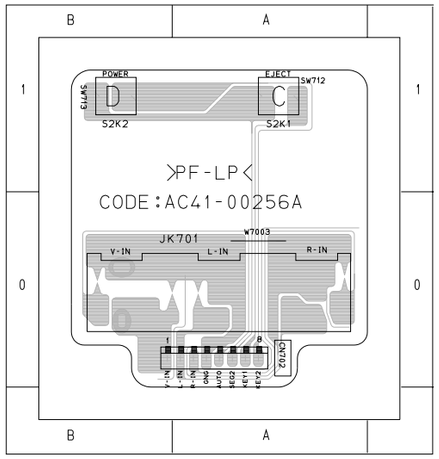


CONDUCTOR SIDE

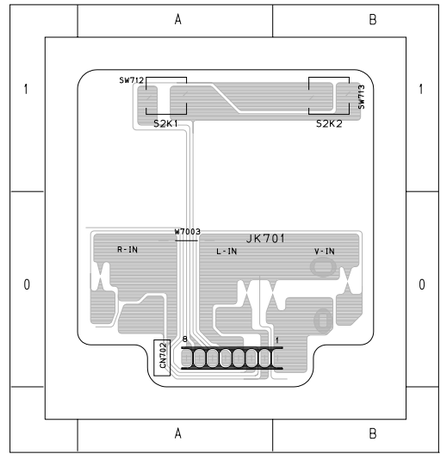


3-2 FUNCTION PCB

COMPONENT SIDE

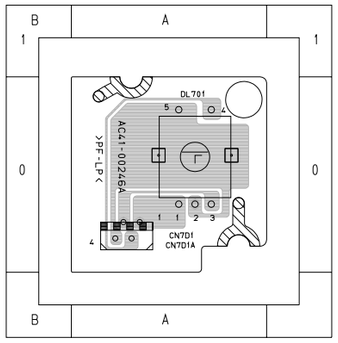


CONDUCTOR SIDE

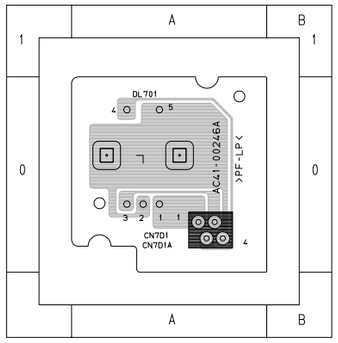


3-3 DIAL TIMER PCB

COMPONENT SIDE



CONDUCTOR SIDE



4. Schematic Diagrams

◆ Block Identification of Main PCB - 4-3

4-1 S.M.P.S./Power (MX, PA) - 4-5

4-2 S.M.P.S./Power (CS) - 4-7

4-3 Logic/Display (SLV-LX66S/LX77S) - 4-9

4-4 Logic/Display (SLV-LX55) - 4-11

4-5 Audio/Video (SLV-LX66S/LX77S) - 4-13

4-6 Audio/Video (SLV-LX55) - 4-15

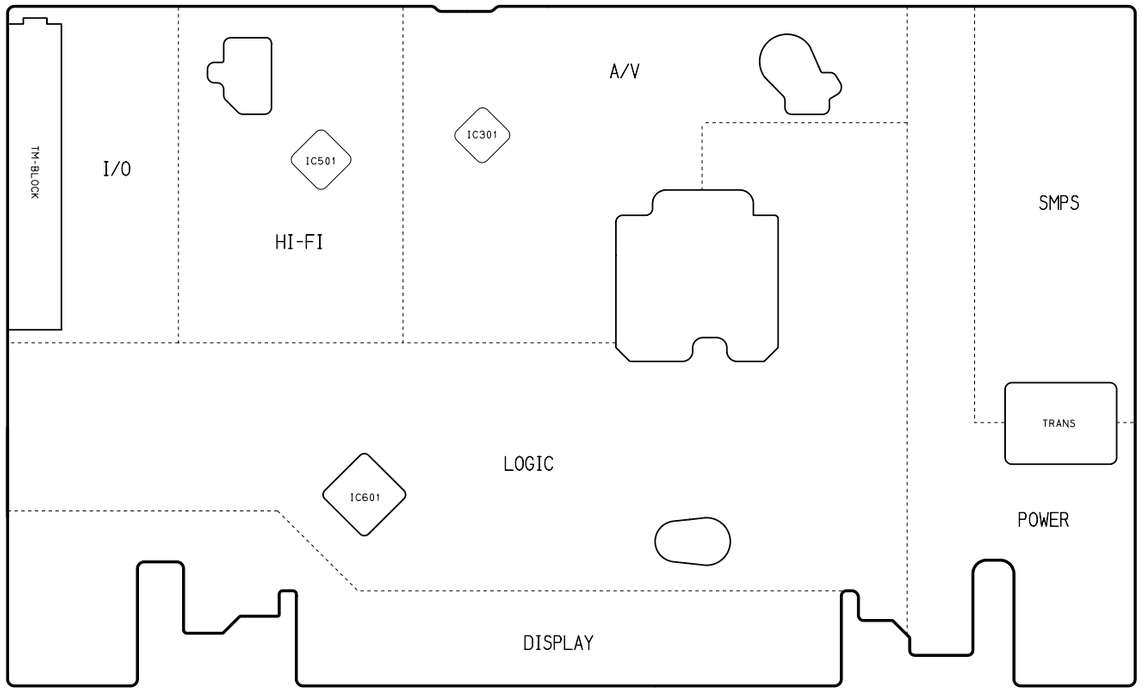
4-7 Hi-Fi (SLV-LX66S/LX77S) - 4-17

4-8 TM-Block/Input-Output (SLV-LX66S/LX77S) - 4-19

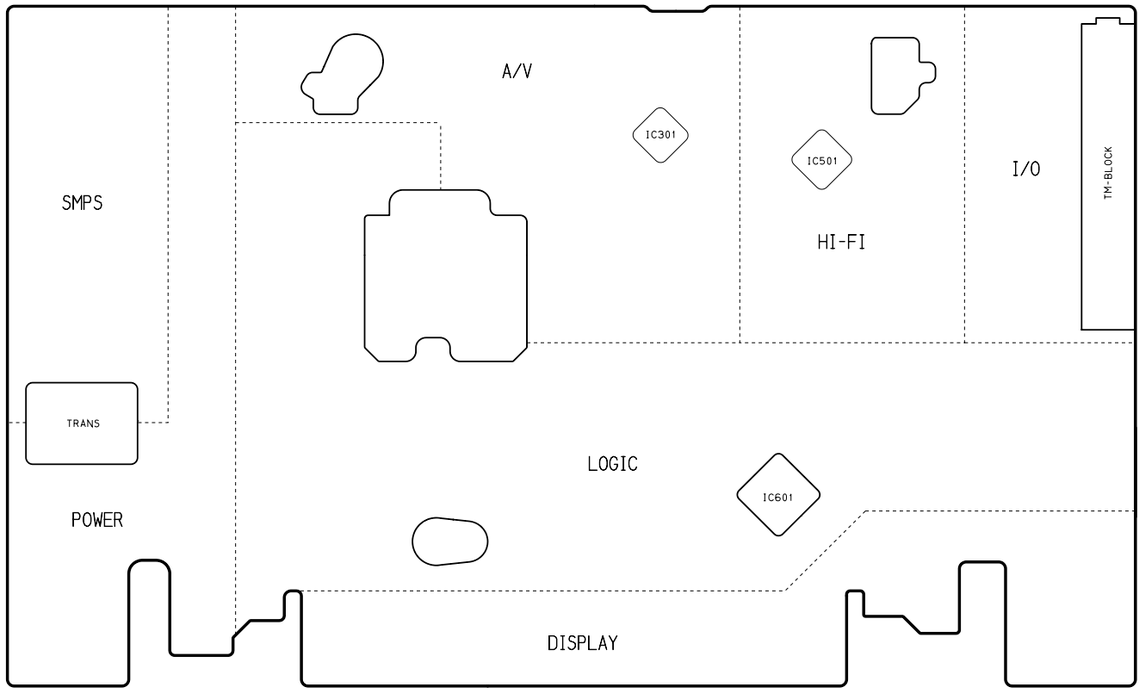
4-9 TM-Block/Input-Output (SLV-LX55) - 4-21

- Abbreviation
  PA : Panama model
  MX : Mexican model
  CS : Chilean model

◆ Block Identification of Main PCB

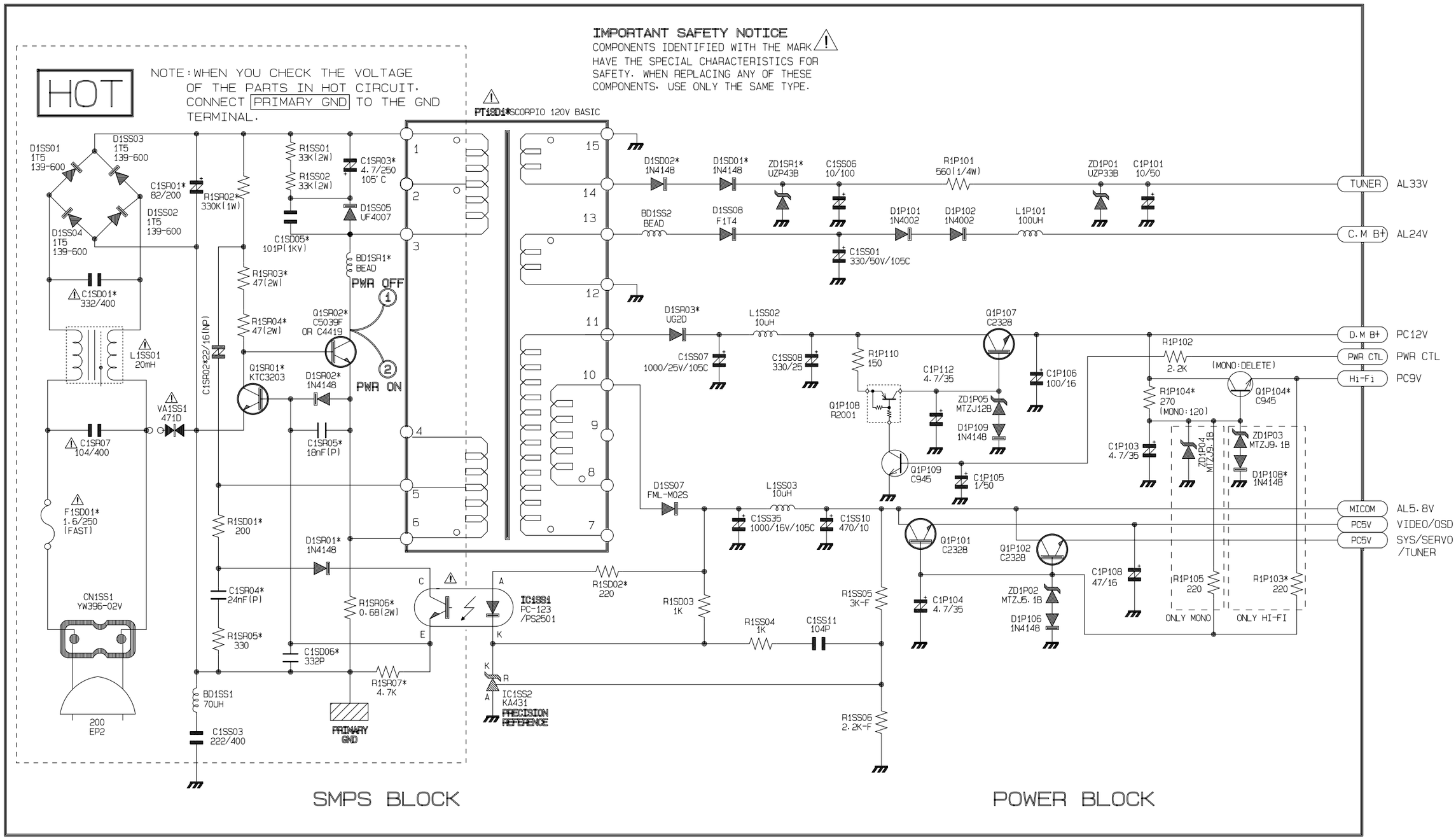


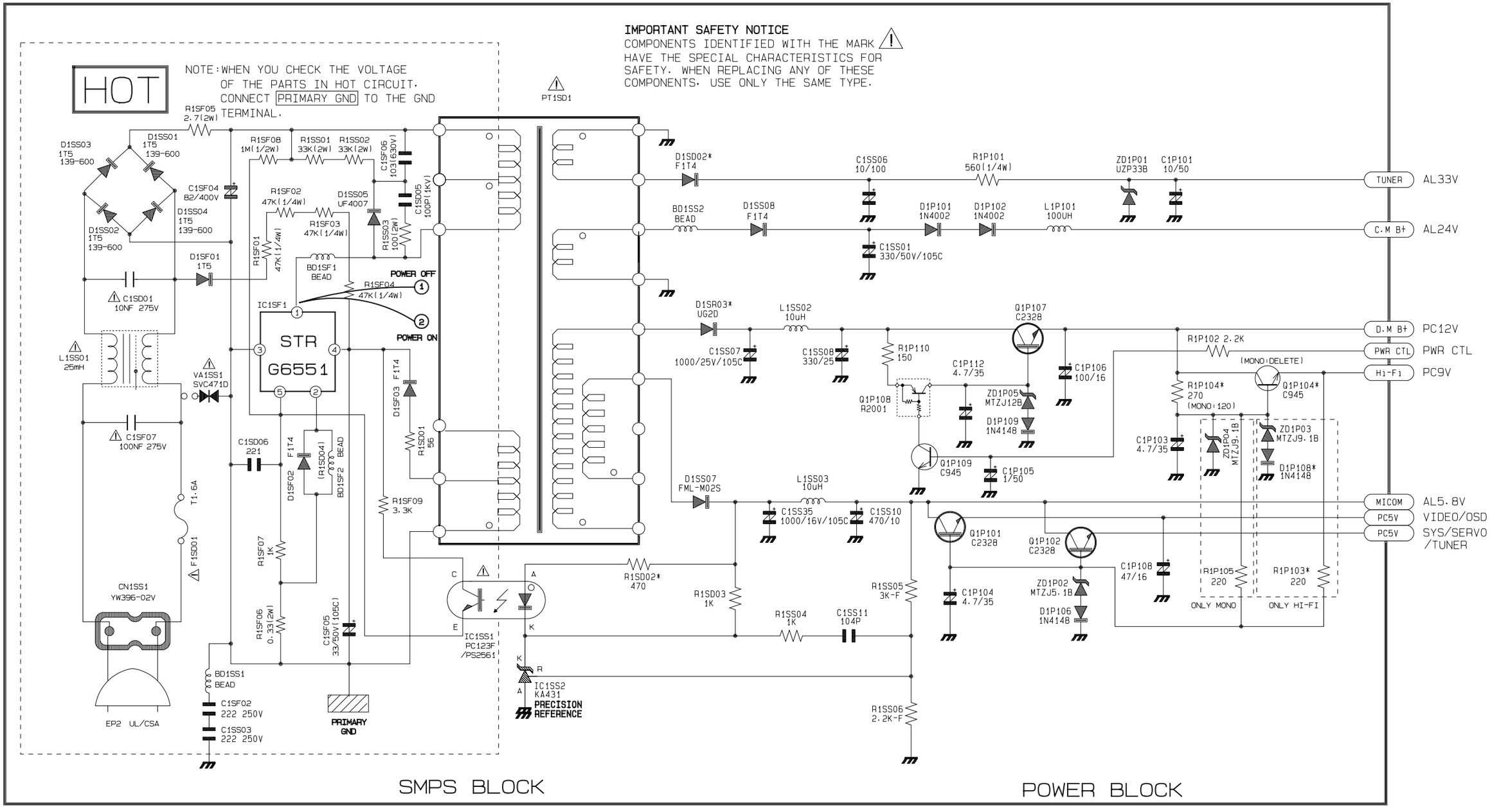
Component Side

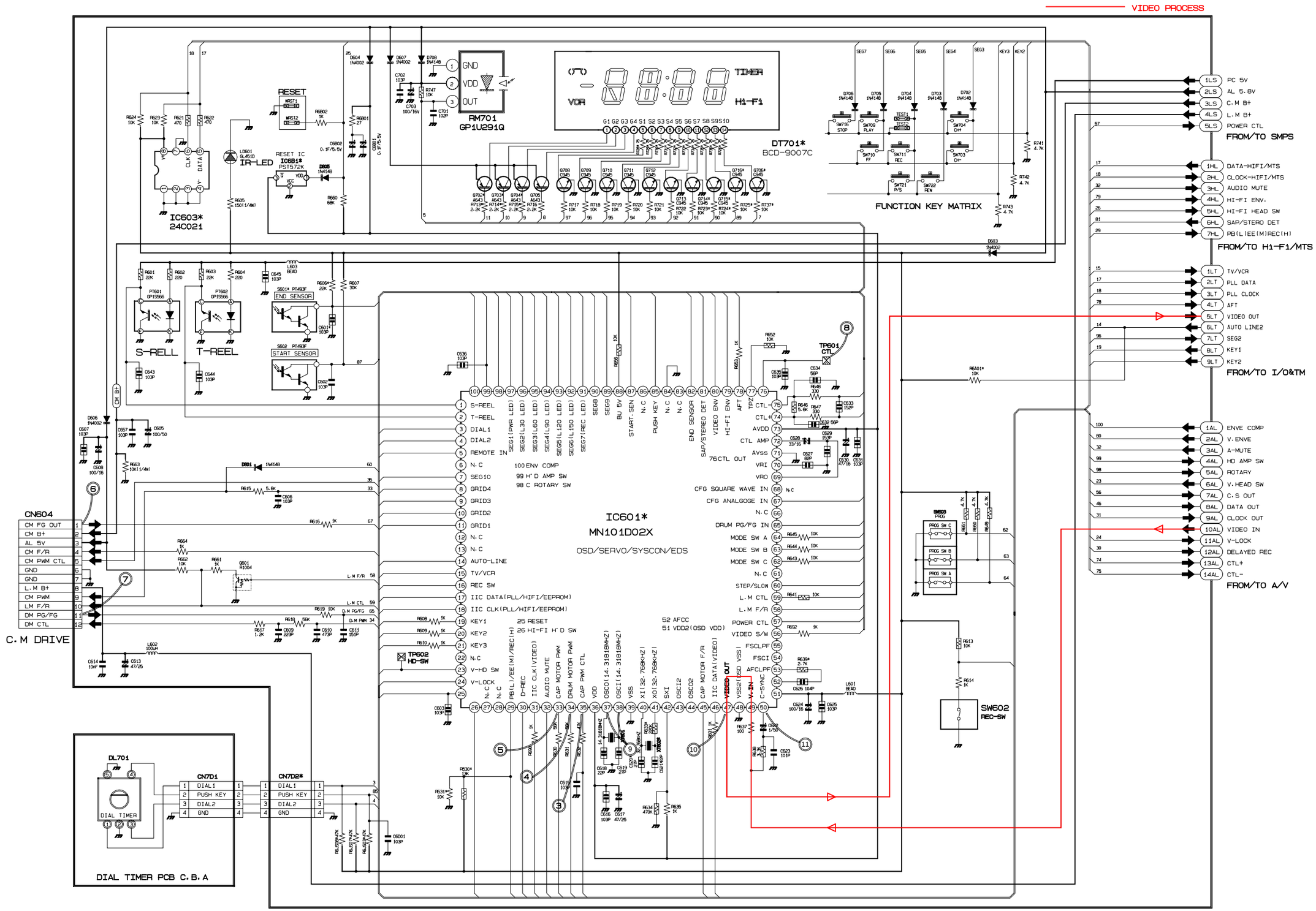


Conductor Side

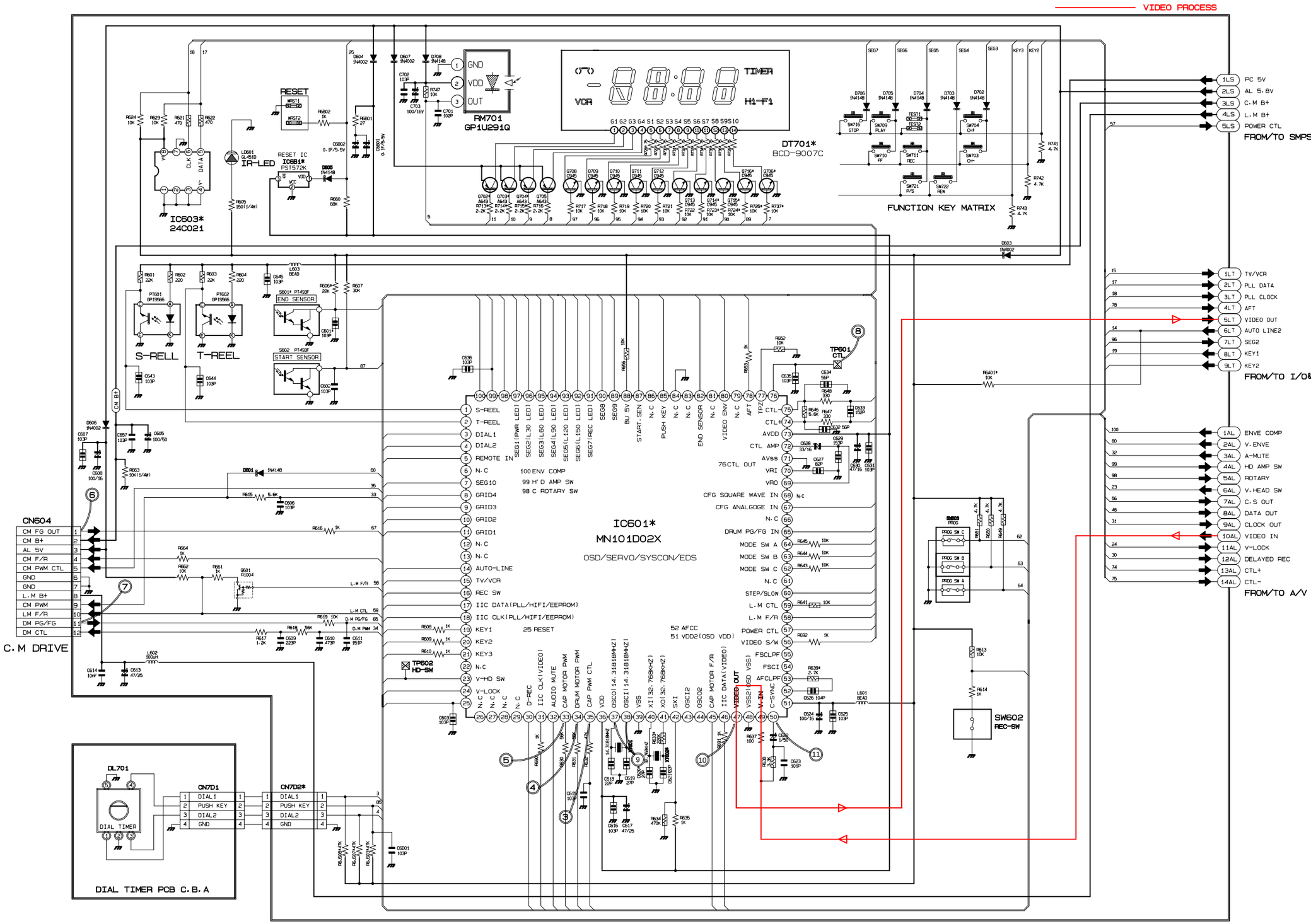
4-1 S.M.P.S./Power (MX, PA)

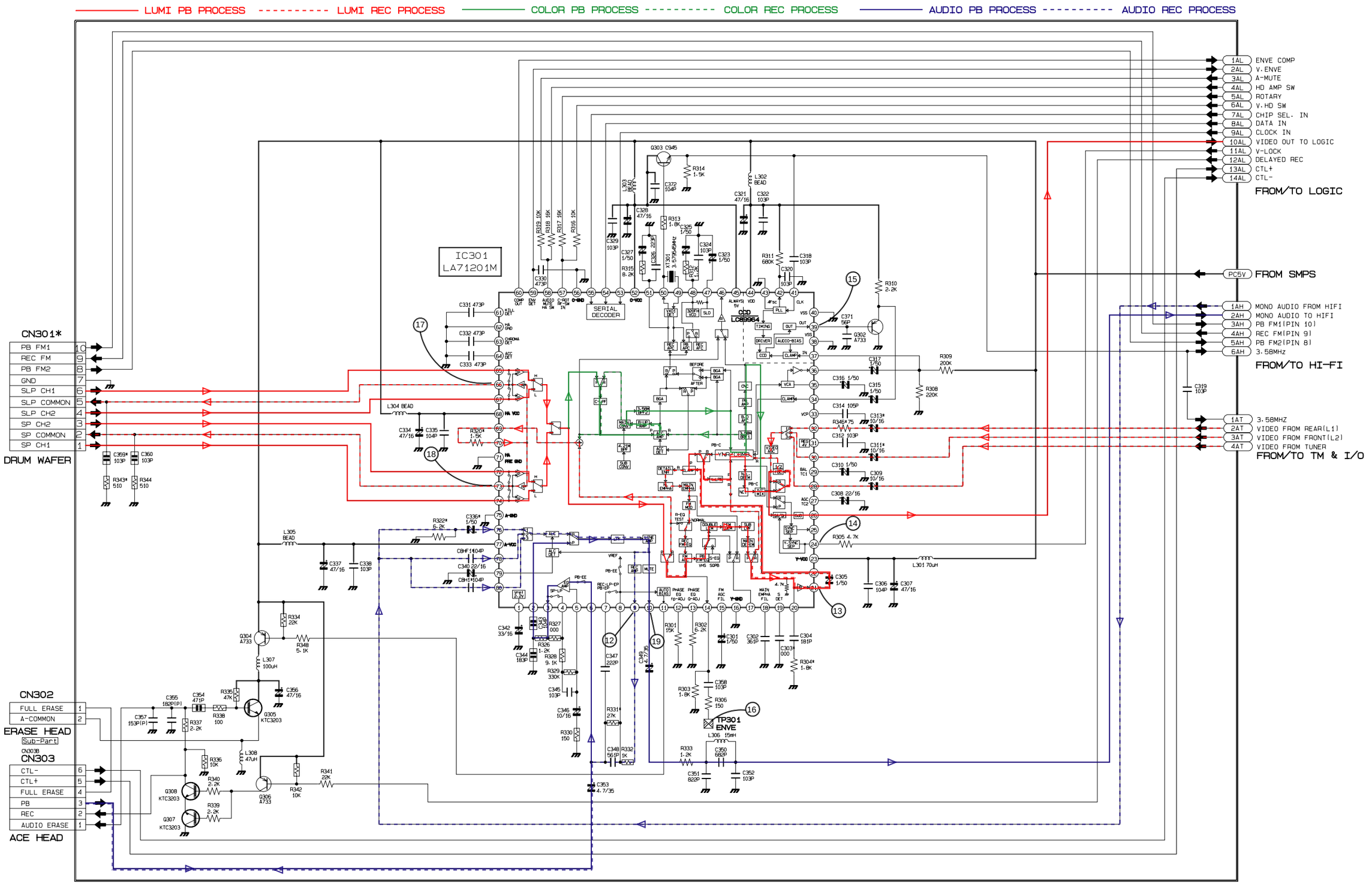


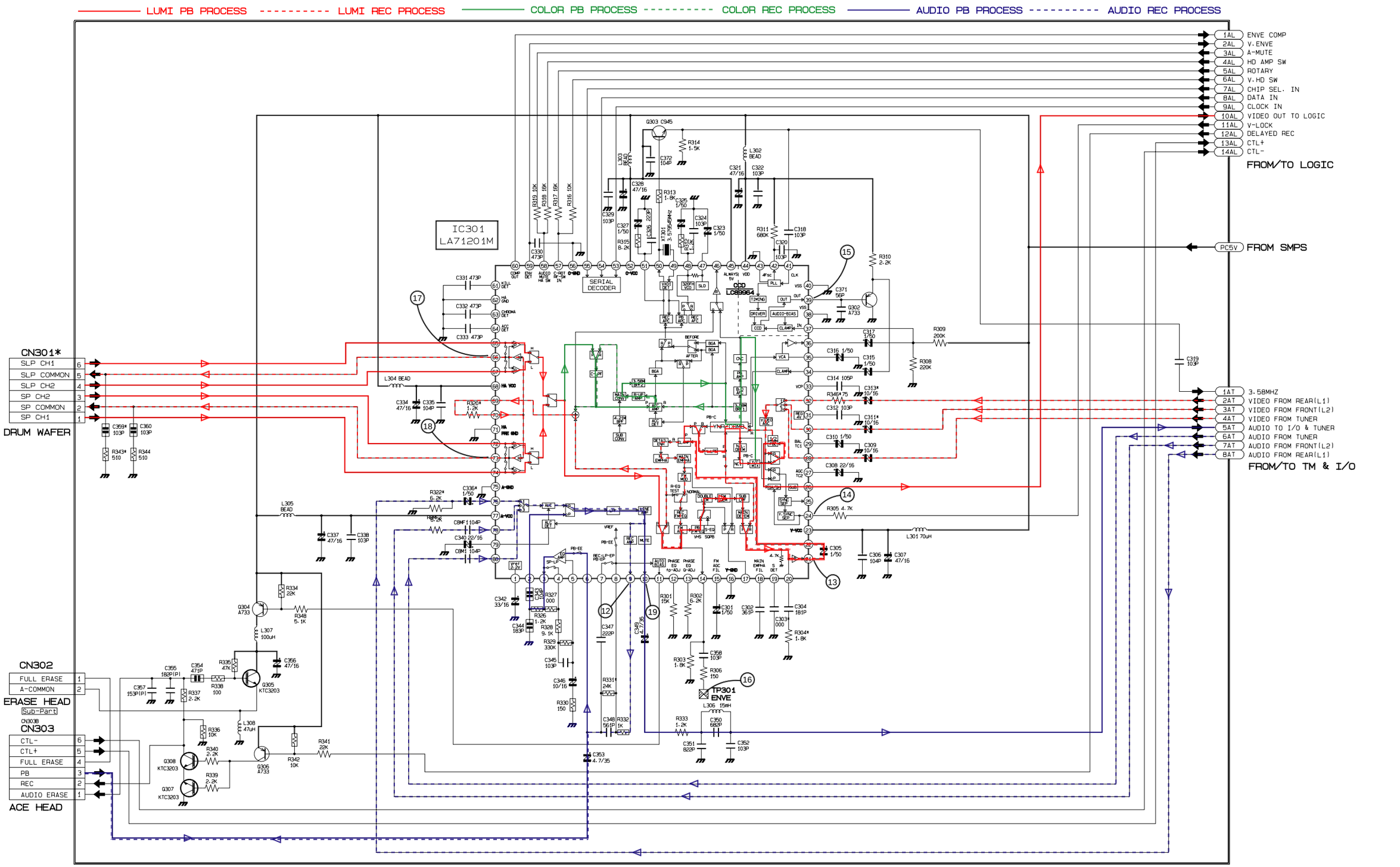

HOT
NOTE: WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE GND TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.
PT1SD1
R1SF05 2.7(2W)
D1SS03 1T5 139-600
D1SS01 1T5 139-600
D1SS04 1T5 139-600
D1SS02 1T5 139-600
C1SF04 82/400V
R1SF08 1M(1/2W)
R1SS01 33K(2W)
R1SS02 33K(2W)
C1SF06 103(630V)
C1SD05 100P(1KV)
R1SF02 47K(1/4W)
D1SS05 UF4007
R1SF03 47K(1/4W)
R1SS03 100(2W)
R1SF01 47K(1/4W)
D1SF01 1T5
BD1SF1 BEAD
POWER OFF
R1SF04 47K(1/4W)
POWER ON
IC1SF1
STR G6551
⚠ C1SD01 10NF 275V
⚠ L1SS01 25mH
⚠ VA1SS1 SVC471D
⚠ C1SF07 100NF 275V
T1.6A
⚠ F1SD01
CN1SS1 YW396-02V
EP2 UL/CSA
C1SD06 221
D1SF02 F1T4
(R1SD04) BEAD
BD1SF2
R1SF07 1K
R1SF06 0.33(2W)
C1SF05 33/50V(105C)
BD1SS1 BEAD
C1SF02 222 250V
C1SS03 222 250V
PRIMARY GND
D1SF03 F1T4
R1SD01 56
R1SF09 3.3K
C
A
E
K
IC1SS1 PC123F /PS2561
R1SD02* 470
R1SD03 1K
R1SS04 1K
C1SS11 104P
K
R
A
IC1SS2 KA431
PRECISION REFERENCE
R1SS06 2.2K-F
R1SS05 3K-F
D1SD02* F1T4
C1SS06 10/100
R1P101 560(1/4W)
ZD1P01 UZP33B
C1P101 10/50
TUNER
AL33V
BD1SS2 BEAD
D1SS08 F1T4
D1P101 1N4002
D1P102 1N4002
L1P101 100UH
C1SS01 330/50V/105C
C.M B+
AL24V
D1SR03* UG2D
L1SS02 10uH
Q1P107 C2328
C1SS07 1000/25V/105C
C1SS08 330/25
R1P110 150
C1P112 4.7/35
C1P106 100/16
D.M B+
PC12V
R1P102 2.2K
(MONO:DELETE)
PWR CTL
PWR CTL
Hi-Fi
PC9V
Q1P108 R2001
ZD1P05 MTZJ12B
D1P109 1N4148
R1P104* 270 (MONO:120)
Q1P104* C945
C1P103 4.7/35
ZD1P04 MTZJ9.1B
ZD1P03 MTZJ9.1B
D1P108* 1N4148
Q1P109 C945
C1P105 1/50
D1SS07 FML-M02S
L1SS03 10uH
C1SS35 1000/16V/105C
C1SS10 470/10
MICOM
AL5.8V
PC5V
VIDEO/OSD
PC5V
SYS/SERVO /TUNER
Q1P101 C2328
Q1P102 C2328
C1P108 47/16
C1P104 4.7/35
ZD1P02 MTZJ5.1B
D1P106 1N4148
R1P105 220
R1P103* 220
ONLY MONO
ONLY HI-FI
SMPS BLOCK
POWER BLOCK

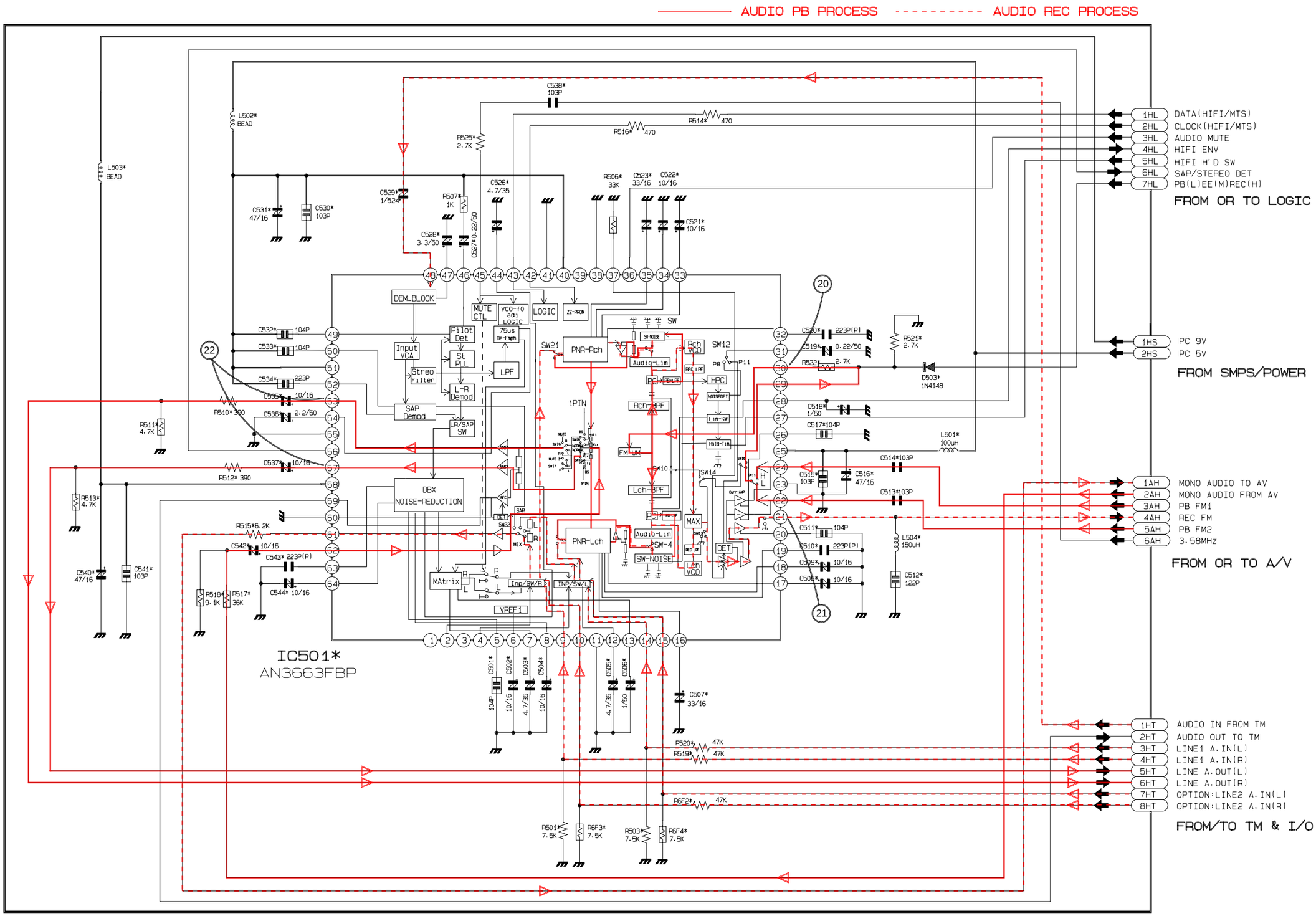

VIDEO PROCESS
RESET
RM701
GP1U291Q
GND
VDD
OUT
TIMER
H1-F1
VCR
DT701*
BCD-9007C
FUNCTION KEY MATRIX
IC603*
24C021
RESET IC
IC6B1*
PST572K
IR-LED
LD601
S-REEL
T-REEL
END SENSOR
START SENSOR
PT601
PT602
GP1S666
IC601*
MN101D02X
OSD/SERVO/SYSCON/EDS
CN604
C.M DRIVE
CM FG OUT
CM B+
AL 5V
CM F/R
CM PWM CTL
GND
GND
L.M B+
CM PWM
LM F/R
DM PG/FG
DM CTL
DL701
DIAL TIMER
DIAL TIMER PCB C.B.A
CN7D1
CN7D2*
DIAL1
PUSH KEY
DIAL2
GND
TP601
CTL
TP602
HD-SW
SW602
REC-SW
SW603
PROG
PROG SW C
PROG SW B
PROG SW A
FROM/TO SMPS
PC 5V
AL 5.8V
C.M B+
L.M B+
POWER CTL
FROM/TO Hi-Fi/MTS
DATA-HIFI/MTS
CLOCK-HIFI/MTS
AUDIO MUTE
HI-FI ENV.
HI-FI HEAD SW
SAP/STERO DET
PB(L)EE(M)REC(H)
FROM/TO I/O&TM
TV/VCR
PLL DATA
PLL CLOCK
AFT
VIDEO OUT
AUTO LINE2
SEG2
KEY1
KEY2
FROM/TO A/V
ENVE COMP
V.ENVE
A-MUTE
HD AMP SW
ROTARY
V.HEAD SW
C.S OUT
DATA OUT
CLOCK OUT
VIDEO IN
V-LOCK
DELAYED REC
CTL+
CTL-
100 ENV COMP
99 H'D AMP SW
98 C ROTARY SW
25 RESET
26 HI-FI H'D SW
52 AFCC
51 VDD2(OSD VDD)
76 CTL OUT

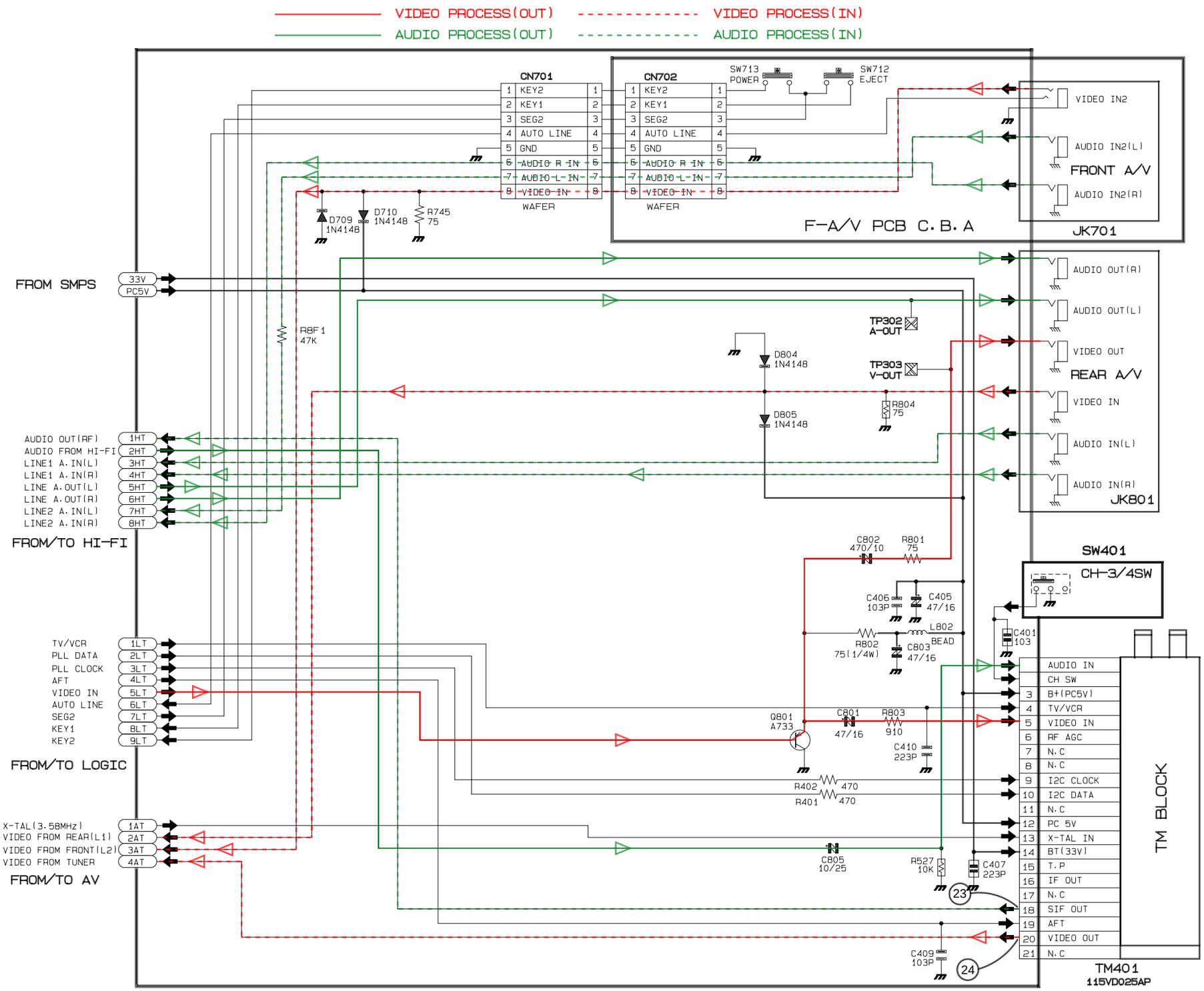
4-4 Logic/Display (SLV-LX55)

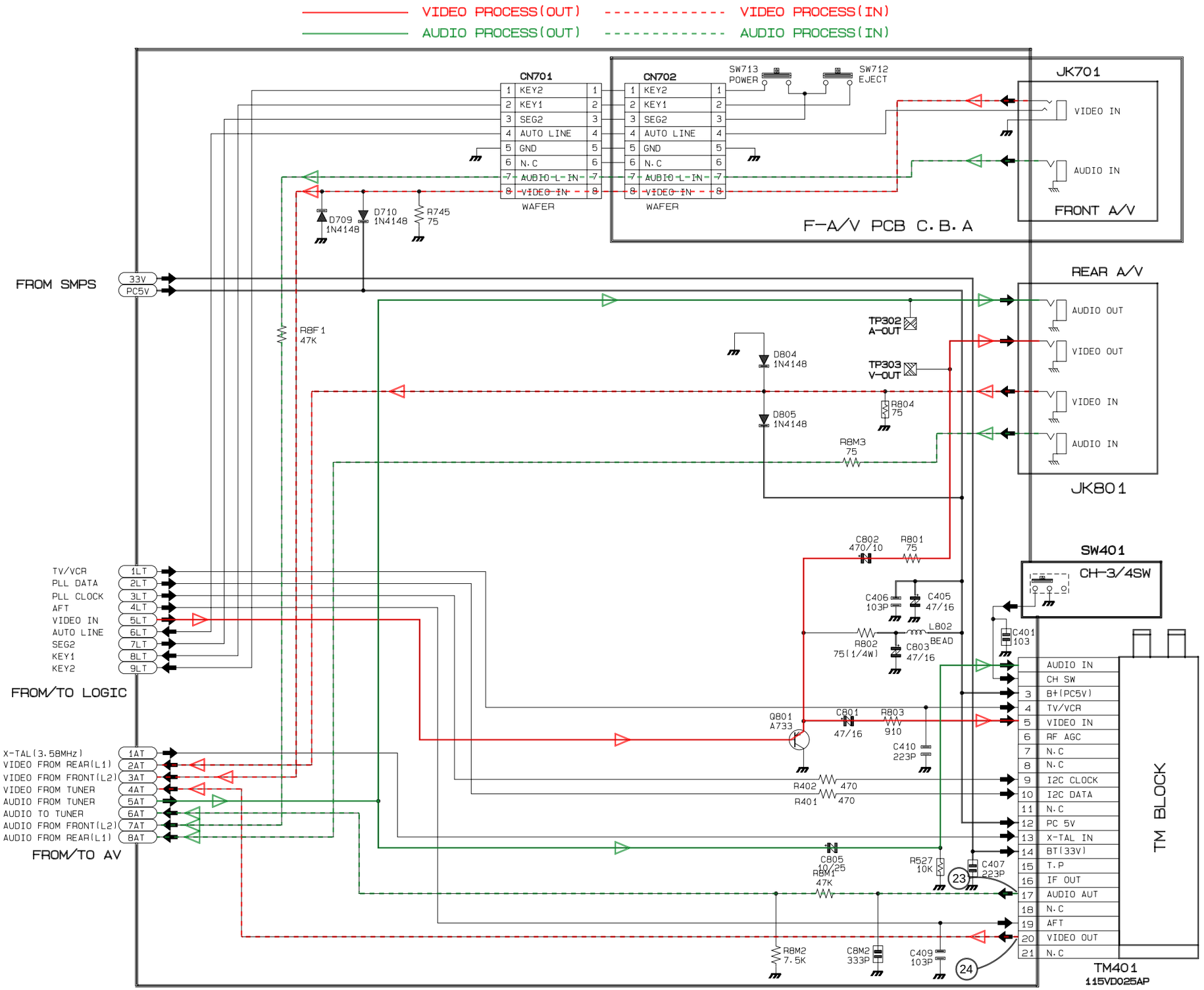



LUMI PB PROCESS
LUMI REC PROCESS
COLOR PB PROCESS
COLOR REC PROCESS
AUDIO PB PROCESS
AUDIO REC PROCESS
IC301
LA71201M
SERIAL DECODER
CCD LC89364
CN301*
PB FM1 10
REC FM 9
PB FM2 8
GND 7
SLP CH1 6
SLP COMMON 5
SLP CH2 4
SP CH2 3
SP COMMON 2
SP CH1 1
DRUM WAFER
CN302
FULL ERASE 1
A-COMMON 2
ERASE HEAD
Sub-Part
CN303
CN303B
CTL- 6
CTL+ 5
FULL ERASE 4
PB 3
REC 2
AUDIO ERASE 1
ACE HEAD
1AL ENVE COMP
2AL V.ENVE
3AL A-MUTE
4AL HD AMP SW
5AL ROTARY
6AL V.HD SW
7AL CHIP SEL. IN
8AL DATA IN
9AL CLOCK IN
10AL VIDEO OUT TO LOGIC
11AL V-LOCK
12AL DELAYED REC
13AL CTL+
14AL CTL-
FROM/TO LOGIC
PC5V FROM SMPS
1AH MONO AUDIO FROM HIFI
2AH MONO AUDIO TO HIFI
3AH PB FM1(PIN 10)
4AH REC FM(PIN 9)
5AH PB FM2(PIN 8)
6AH 3.58MHz
FROM/TO HI-FI
1AT 3.58MHZ
2AT VIDEO FROM REAR(L1)
3AT VIDEO FROM FRONT(L2)
4AT VIDEO FROM TUNER
FROM/TO TM & I/O
TP301 ENVE


LUMI PB PROCESS
LUMI REC PROCESS
COLOR PB PROCESS
COLOR REC PROCESS
AUDIO PB PROCESS
AUDIO REC PROCESS
1AL ENVE COMP
2AL V.ENVE
3AL A-MUTE
4AL HD AMP SW
5AL ROTARY
6AL V.HD SW
7AL CHIP SEL. IN
8AL DATA IN
9AL CLOCK IN
10AL VIDEO OUT TO LOGIC
11AL V-LOCK
12AL DELAYED REC
13AL CTL+
14AL CTL-
FROM/TO LOGIC
PC5V FROM SMPS
1AT 3.58MHZ
2AT VIDEO FROM REAR(L1)
3AT VIDEO FROM FRONT(L2)
4AT VIDEO FROM TUNER
5AT AUDIO TO I/O & TUNER
6AT AUDIO FROM TUNER
7AT AUDIO FROM FRONT(L2)
8AT AUDIO FROM REAR(L1)
FROM/TO TM & I/O
IC301
LA71201M
SERIAL DECODER
CCD
LC89964
TP301
ENVE
CN301*
SLP CH1
SLP COMMON
SLP CH2
SP CH2
SP COMMON
SP CH1
DRUM WAFER
CN302
FULL ERASE
A-COMMON
ERASE HEAD
Sub-Part
CN303
CTL-
CTL+
FULL ERASE
PB
REC
AUDIO ERASE
ACE HEAD

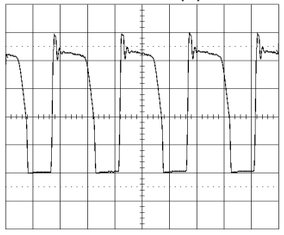

AUDIO PB PROCESS
AUDIO REC PROCESS
IC501*
AN3663FBP
DEM_BLOCK
MUTE CTL
VCO-f0 adj LOGIC
LOGIC
ZZ-PROM
Input VCA
Pilot Det
St PLL
Stereo Filter
75us De-Emph
LPF
L-R Demod
SAP Demod
LR/SAP SW
DBX NOISE-REDUCTION
MAtrix
Inp/SW/R
INP/SW/L
VREF1
PNR-Rch
PNR-Lch
SW21
SW12
SW
SW-NOISE
SW-4
Audio-Lim
Rch VCO
Lch VCO
REC LPF
HPC
NOISEDET
Rch-BPF
Lch-BPF
Lin-SW
Hold-Tim
FM-LIM
MAX
DET
1PIN
1HL DATA(HIFI/MTS)
2HL CLOCK(HIFI/MTS)
3HL AUDIO MUTE
4HL HIFI ENV
5HL HIFI H'D SW
6HL SAP/STEREO DET
7HL PB(L)EE(M)REC(H)
FROM OR TO LOGIC
1HS PC 9V
2HS PC 5V
FROM SMPS/POWER
1AH MONO AUDIO TO AV
2AH MONO AUDIO FROM AV
3AH PB FM1
4AH REC FM
5AH PB FM2
6AH 3.58MHz
FROM OR TO A/V
1HT AUDIO IN FROM TM
2HT AUDIO OUT TO TM
3HT LINE1 A.IN(L)
4HT LINE1 A.IN(R)
5HT LINE A.OUT(L)
6HT LINE A.OUT(R)
7HT OPTION:LINE2 A.IN(L)
8HT OPTION:LINE2 A.IN(R)
FROM/TO TM & I/O


VIDEO PROCESS(OUT)
VIDEO PROCESS(IN)
AUDIO PROCESS(OUT)
AUDIO PROCESS(IN)
CN701
CN702
KEY2
KEY1
SEG2
AUTO LINE
GND
AUDIO R IN
AUDIO L IN
VIDEO IN
WAFER
SW713 POWER
SW712 EJECT
D709 1N4148
D710 1N4148
R745 75
F-A/V PCB C.B.A
VIDEO IN2
AUDIO IN2(L)
FRONT A/V
AUDIO IN2(R)
JK701
FROM SMPS
33V
PC5V
R8F1 47K
TP302 A-OUT
TP303 V-OUT
D804 1N4148
D805 1N4148
R804 75
AUDIO OUT(R)
AUDIO OUT(L)
VIDEO OUT
REAR A/V
VIDEO IN
AUDIO IN(L)
AUDIO IN(R)
JK801
AUDIO OUT(RF)
AUDIO FROM HI-FI
LINE1 A.IN(L)
LINE1 A.IN(R)
LINE A.OUT(L)
LINE A.OUT(R)
LINE2 A.IN(L)
LINE2 A.IN(R)
1HT
2HT
3HT
4HT
5HT
6HT
7HT
8HT
FROM/TO HI-FI
C802 470/10
R801 75
SW401
CH-3/4SW
C406 103P
C405 47/16
L802 BEAD
R802 75(1/4W)
C803 47/16
C401 103
TV/VCR
PLL DATA
PLL CLOCK
AFT
VIDEO IN
AUTO LINE
SEG2
KEY1
KEY2
1LT
2LT
3LT
4LT
5LT
6LT
7LT
8LT
9LT
FROM/TO LOGIC
Q801 A733
C801 47/16
R803 910
C410 223P
R402 470
R401 470
X-TAL(3.58MHz)
VIDEO FROM REAR(L1)
VIDEO FROM FRONT(L2)
VIDEO FROM TUNER
1AT
2AT
3AT
4AT
FROM/TO AV
C805 10/25
R527 10K
C407 223P
C409 103P
23
24
AUDIO IN
CH SW
B+(PC5V)
TV/VCR
VIDEO IN
RF AGC
N.C
N.C
I2C CLOCK
I2C DATA
N.C
PC 5V
X-TAL IN
BT(33V)
T.P
IF OUT
N.C
SIF OUT
AFT
VIDEO OUT
N.C
TM BLOCK
TM401
115VD025AP

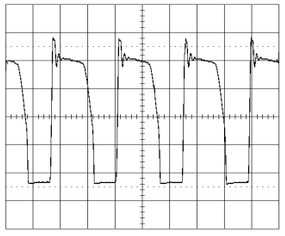

VIDEO PROCESS(OUT)
VIDEO PROCESS(IN)
AUDIO PROCESS(OUT)
AUDIO PROCESS(IN)
CN701
CN702
1 KEY2 1
2 KEY1 2
3 SEG2 3
4 AUTO LINE 4
5 GND 5
6 N.C 6
7 AUDIO L-IN 7
8 VIDEO IN 8
WAFER
SW713 POWER
SW712 EJECT
JK701
VIDEO IN
AUDIO IN
FRONT A/V
F-A/V PCB C.B.A
D709 1N4148
D710 1N4148
R745 75
FROM SMPS
33V
PC5V
R8F1 47K
REAR A/V
AUDIO OUT
VIDEO OUT
VIDEO IN
AUDIO IN
JK801
TP302 A-OUT
TP303 V-OUT
D804 1N4148
D805 1N4148
R804 75
R8M3 75
C802 470/10
R801 75
C406 103P
C405 47/16
L802 BEAD
R802 75(1/4W)
C803 47/16
SW401
CH-3/4SW
C401 103
TV/VCR
PLL DATA
PLL CLOCK
AFT
VIDEO IN
AUTO LINE
SEG2
KEY1
KEY2
1LT 2LT 3LT 4LT 5LT 6LT 7LT 8LT 9LT
FROM/TO LOGIC
X-TAL(3.58MHz)
VIDEO FROM REAR(L1)
VIDEO FROM FRONT(L2)
VIDEO FROM TUNER
AUDIO FROM TUNER
AUDIO TO TUNER
AUDIO FROM FRONT(L2)
AUDIO FROM REAR(L1)
1AT 2AT 3AT 4AT 5AT 6AT 7AT 8AT
FROM/TO AV
Q801 A733
C801 47/16
R803 910
C410 223P
R402 470
R401 470
C805 10/25
R8M1 47K
R527 10K
C407 223P
23
R8M2 7.5K
C8M2 333P
C409 103P
24
AUDIO IN
CH SW
3 B+(PC5V)
4 TV/VCR
5 VIDEO IN
6 RF AGC
7 N.C
8 N.C
9 I2C CLOCK
10 I2C DATA
11 N.C
12 PC 5V
13 X-TAL IN
14 BT(33V)
15 T.P
16 IF OUT
17 AUDIO AUT
18 N.C
19 AFT
20 VIDEO OUT
21 N.C
TM BLOCK
TM401
115VD025AP

S.M.P.S. BLOCK

❶ Q1SR02-COLLECTOR (MX, PA)
IC1SF1-1 (CS)
POWER OFF/240Vp-p

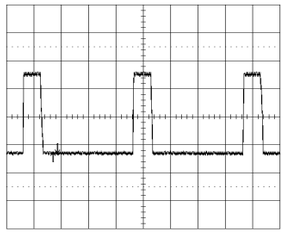


❷ Q1SR02-COLLECTOR (MX, PA)
IC1SF1-1 (CS)
POWER ON/270Vp-p

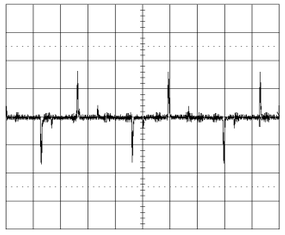


LOGIC BLOCK

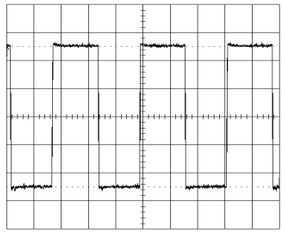
❸ IC601-35
PB/3Vp-p



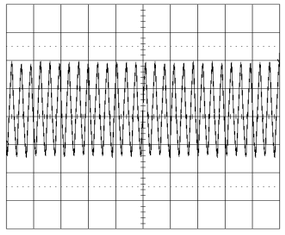
❽ TP601
PB/3.2Vp-p



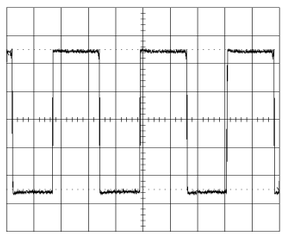
❹ IC601-34
PB/5Vp-p



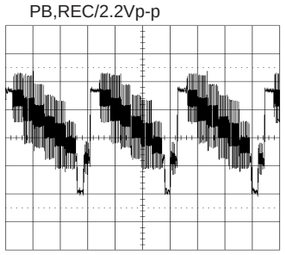
❾ IC601-37,38
PB,REC/620mVp-p



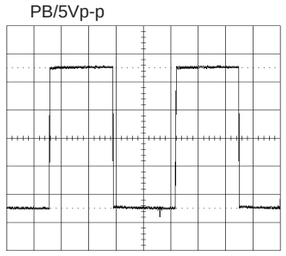
❺ IC601-33
PB/5Vp-p



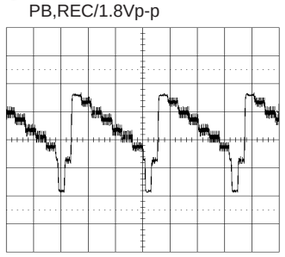
❿ IC601-47
PB,REC/2.2Vp-p



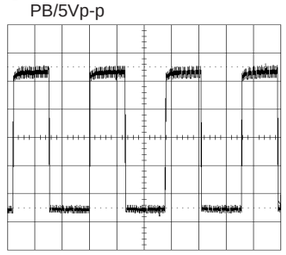
❻ CN604-1
PB/5Vp-p



⓫ IC601-50
PB,REC/1.8Vp-p

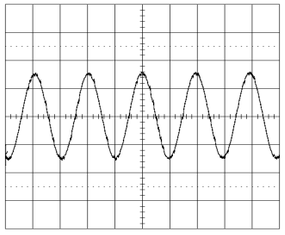


❼ CN604-11
PB/5Vp-p

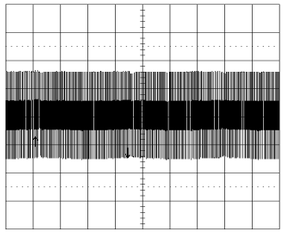


AUDIO/VIDEO BLOCK

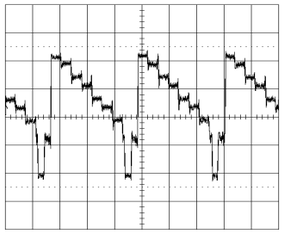
⓬ IC301-9
REC/3Vp-p



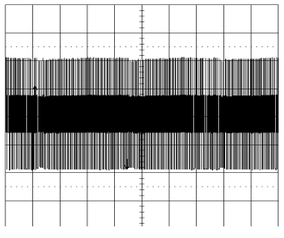
⓱ IC301-66
REC(EP)/3.1Vp-p



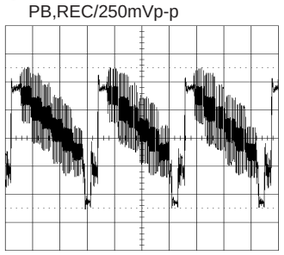
⓭ IC301-21
PB,REC/440mVp-p



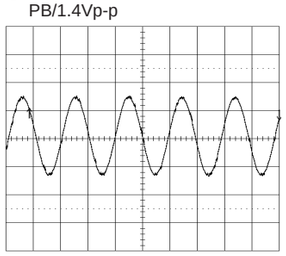
⓲ IC301-73
REC(SP)/4Vp-p



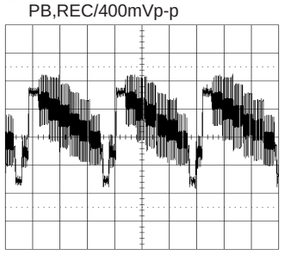
⓮ IC301-24
PB,REC/250mVp-p



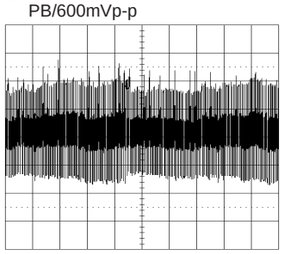
⓳ IC301-10
PB/1.4Vp-p



⓯ IC301-39
PB,REC/400mVp-p

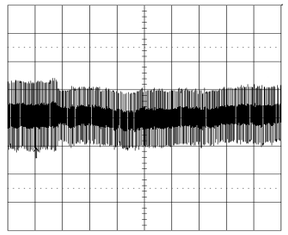


⓰ TP301
PB/600mVp-p

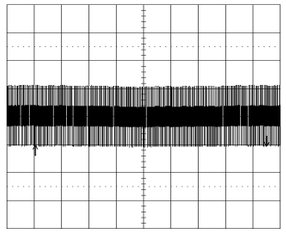


HI-FI BLOCK

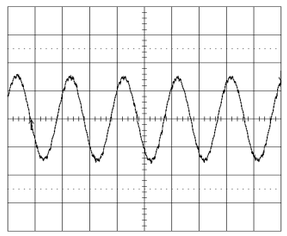
⓴ IC501-30
PB/50mVp-p



㉑ IC501-21
PB/50mVp-p

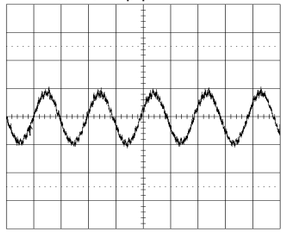


㉒ IC501-53, 57
PB,REC/150mVp-p

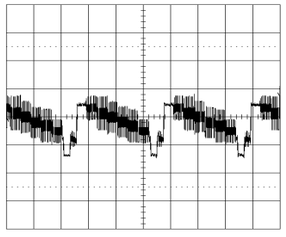


INPUT-OUTPUT BLOCK

㉓ TM401-18 (SLV-LX66S/LX77S)
TM401-17 (SLV-LX55)
REC/100mVp-p



㉔ TM401-20
REC/100mVp-p



S.M.P.S. BLOCK

MODE / PIN	PLAY	STOP	REC
IC1SS1	PC-123		
A	5.8	5.8	5.7
K	4.7	4.7	4.6
C	0	0	0
E	0	0	0
IC1SS2	KA431Z		
A	0	0	0
K	4.7	4.7	4.7
R	2.5	2.5	2.5

LOGIC BLOCK

MODE / PIN	PLAY	STOP	REC
IC601	IC-MICOM		
1	5.1	5.1	5.1
2	0	0	0
3	0.7	0.7	0
4	0.7	0.7	0
5	5.3	5.3	5.3
6	4.2	4.2	4.2
7	4.2	4.2	4.2
8	4.2	4.2	4.2
9	4.2	4.2	4.2
10	4.2	4.2	4.2
11	5.2	5.2	5.2
12	5.2	5.2	5.2
13	0	0	0
14	0	0	0
15	5.1	5.1	5.1
16	5.1	5.1	5.1
17	4.9	4.9	4.9
18	4.9	4.9	4.9
19	0	0	0
20	0	0	0
21	0	0	0
22	0	0	0
23	2.5	2.5	2.5
24	0	0	0
25	5.2	5.2	5.2
26	2.6	2.6	2.6
27	0	0	0
28	0	0	0
29	0	2.2	4.8
30	0	5.2	5.2
31	4.0	4.5	4.5
32	0	5.1	5.1
33	2.7	5.2	2.7
34	2.6	0	2.6
35	3.6	0	3.5
36	5.2	5.2	5.2
37	2.6	2.6	2.6
38	2.6	2.6	2.6
39	0	0	0
40	2.3	2.3	2.2
41	2.6	2.6	2.6
42	5.2	5.2	5.2
43	0	0	0.7
44	0	0	0.7
45	0	0	0
46	4.5	0	0
47	4.4	1.7	1.7
48	0	0	0
49	4.4	0.8	0.8
50	2.5	2.0	2.0

MODE / PIN	PLAY	STOP	REC
IC601	IC-MICOM		
51	5.1	5.2	5.2
52	2.5	2.8	2.8
53	2.6	2.6	2.6
54	0	0.6	0.8
55	0.5	0.6	0.8
56	0.9	0.9	0.9
57	4.7	4.7	4.7
58	5.1	5.1	5.1
59	5.1	5.1	5.1
60	0	0	0
61	0	0	0
62	0	0	0
63	5.2	5.2	5.2
64	0	0	0
65	2.5	0	2.5
66	0.5	0	0.5
67	2.4	0	2.4
68	0.7	0.8	0.6
69	2.5	2.5	2.5
70	2.5	2.5	2.5
71	0	0	0
72	2.5	2.5	2.5
73	5.2	5.2	5.2
74	2.5	2.5	3.0
75	2.5	2.5	2.5
76	2.5	2.5	2.5
77	0	0	0
78	2.8	2.8	2.8
79	3.1	4.4	4.3
80	3.7	0	0
81	0	0	0
82	5.1	5.1	5.1
83	0	0	0
84	0	0	0
85	0	0.7	0.7
86	0	0.7	0.7
87	5.1	5.1	5.1
88	5.1	5.1	5.1
89	1.0	1.0	2.0
90	3.0	4.0	2.0
91	4.0	0	3.0
92	3.0	1.0	3.0
93	3.0	1.0	3.0
94	3.0	1.0	3.0
95	3.0	1.0	1.0
96	3.0	1.0	4.0
97	0	0	0
98	2.6	2.6	2.6
99	0	0	0
100	0.7	0.6	0.6

MODE / PIN	PLAY	STOP	REC
IC603	24C021		
1	0	0	0
2	0	0	0
3	0	0	0
4	0	0	0
5	4.9	3.0	4.9
6	4.9	0	4.9
7	0	0	0
8	5.2	5.2	5.2

AUDIO/VIDEO BLOCK

MODE / PIN	PLAY	STOP	REC
IC301	LA71200M		
1	2.4	2.4	2.4
2	2.4	2.4	2.4
3	2.4	2.4	2.4
4	2.4	2.4	2.4
5	2.4	2.4	2.4
6	2.4	2.4	2.4
7	0	2.4	2.4
8	2.4	2.4	2.4
9	2.4	2.4	2.5
10	2.4	2.7	2.4
11	5.2	5.3	4.4
12	1.0	1.0	1.0
13	1.0	0.9	1.0
14	1.8	1.8	1.8
15	1.7	1.5	1.5
16	0	0	0
17	2.6	2.3	2.3
18	1.3	2.3	2.3
19	0	0	0
20	2.1	2.1	2.2
21	1.0	1.4	1.4
22	3.0	3.0	3.0
23	5.2	5.3	5.2
24	0	0	0
25	0	0	0
26	1.7	0.7	0.7
27	1.6	1.7	1.7
28	2.4	2.4	2.4
29	2.3	2.3	2.3
30	2.4	2.4	2.4
31	4.1	4.1	4.1
32	2.4	2.4	2.4
33	3.1	2.4	2.4
34	3.0	3.0	3.0
35	3.1	2.9	2.9
36	2.7	3.0	3.0
37	2.5	2.5	2.5
38	0	0	0
39	1.6	1.9	1.9
40	0	0	0

MODE / PIN	PLAY	STOP	REC
IC301	LA71200M		
41	0.8	0.8	0.8
42	2.3	2.3	2.3
43	0	0	0
44	5.3	5.3	5.2
45	5.3	5.3	5.2
46	3.4	2.4	3.4
47	4.8	3.3	3.3
48	4.8	3.3	3.3
49	4.1	4.1	0
50	2.8	2.8	2.8
51	2.1	2.1	2.1
52	0	5.3	5.2
53	4.6	4.6	4.6
54	0	4.6	0
55	1.0	1.0	0.9
56	0	0	0
57	2.6	3.3	2.6
58	1.9	5.2	2.6
59	0.5	0	0
60	0.7	0.5	0.5
61	2.2	3.1	3.1
62	0	0	0
63	4.3	3.2	3.2
64	1.3	2.1	2.1
65	0.7	0.7	0.7
66	0.7	0.7	0.7
67	0.7	0.7	0.7
68	5.2	5.2	5.2
69	0	1.8	1.8
70	0	1.9	1.9
71	0	0	0
72	4.4	4.4	4.4
73	4.4	4.4	4.4
74	4.4	4.4	4.4
75	0	0	0
76	2.4	2.4	2.4
77	5.2	5.2	5.2
78	2.4	2.4	2.4
79	0	0	0
80	2.4	2.4	2.4

HI-FI BLOCK

MODE / PIN	PLAY	STOP	REC
IC501	AN3663FBP		
1	2.5	2.5	2.9
2	0	0	0
3	2.5	2.5	2.5
4	0	0	0
5	2.4	2.4	2.4
6	2.6	2.6	2.6
7	2.1	2.1	2.1
8	0.7	0.7	0.7
9	0	0	0
10	0	0	0
11	0	0	0
12	2.1	2.1	2.1
13	2.6	2.6	2.6
14	0	0	0
15	0	0	0
16	2.6	2.6	2.6
17	0.8	0.5	0.5
18	2.6	2.6	2.6
19	2.6	2.6	2.6
20	0	2.1	2.0
21	0	2.1	2.0
22	0.7	2.1	2.0
23	0	0	0
24	1.9	2.1	2.0
25	4.8	5.2	5.0
26	0	2.1	2.0
27	2.7	5.2	2.6
28	0	4.5	4.4
29	1.7	1.8	4.3
30	0.8	0.7	2.0
31	1.9	0	1.1
32	2.5	2.6	2.6

MODE / PIN	PLAY	STOP	REC
IC501	AN3663FBP		
33	2.5	2.6	2.6
34	0.8	0.5	0.5
35	2.6	2.7	2.6
36	0	5.2	5.2
37	1.7	1.7	1.6
38	0	0	0
39	0	0	0
40	5.2	5.3	5.2
41	0	0	0
42	4.9	5.1	5.0
43	4.9	5.1	5.0
44	2.4	2.5	2.5
45	0	0	0
46	3.7	3.7	3.7
47	0	2.7	2.6
48	2.2	2.2	2.2
49	3.6	3.7	3.6
50	3.6	3.2	3.1
51	5.1	5.3	5.2
52	3.5	2.7	2.7
53	4.4	4.6	4.6
54	2.1	2.5	2.4
55	0	0	0
56	0	1.0	1.0
57	4.6	4.6	4.5
58	9.1	9.1	9.0
59	4.5	4.6	4.5
60	0	0	0
61	2.5	2.6	2.6
62	2.5	2.6	2.5
63	2.6	2.6	2.6
64	0.5	0.5	0.5

MEMO

5. Alignment and Adjustment

5-1 Reference

1) X-Point (Tracking center) adjustment and “Head switching adjustment” can be adjusted with remote control.

2) When replacing the Micom (IC601) and NVRAM (IC603 ; EEPROM) be sure to adjust the “Head switching adjustment”.

3) When replacing the cylinder ass'y, be sure to adjust the “X-Point” and “Head switching adjustment”.

4) How to adjustment.

- Monmently short-circuit the test point on Main PCB with pincers to set the adjustment mode.
- If the corresponding adjustment button is pressed, the adjustment is performed automatically.
- If the adjustment is completed, be sure to turn the power off.

5-1-1 Location of adjustment button of remote control

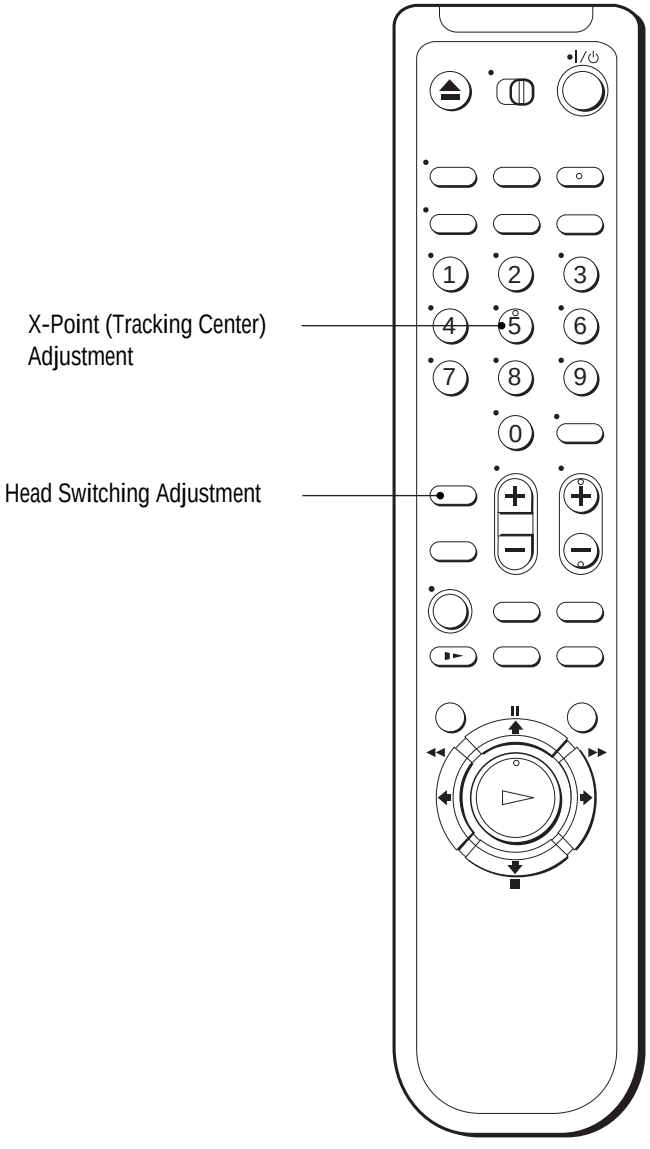


Fig. 5-1

5-1-2 Test point location for adjustment mode setting

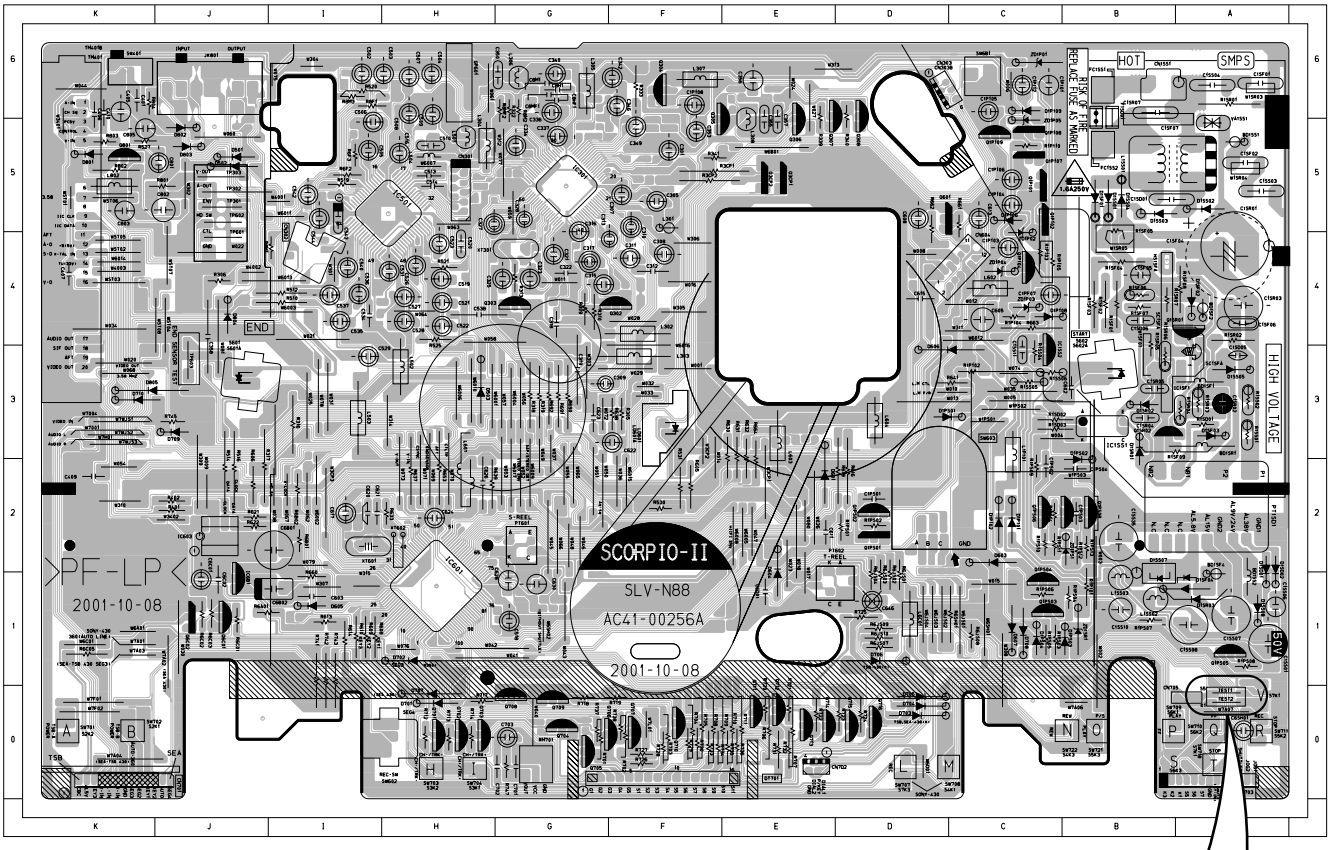


Fig. 5-2 Main PCB (Top View)

5-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual for the adjustment and confirmation of ass'y deck.

5-2-1 The number and position of test point

Test point :	TP601 (Control Pulse)
	TP602 (H'D S/W -Trigger)
	TP301 (Envelope)
	TP302 (Audio output)
	TP303 (Video output)

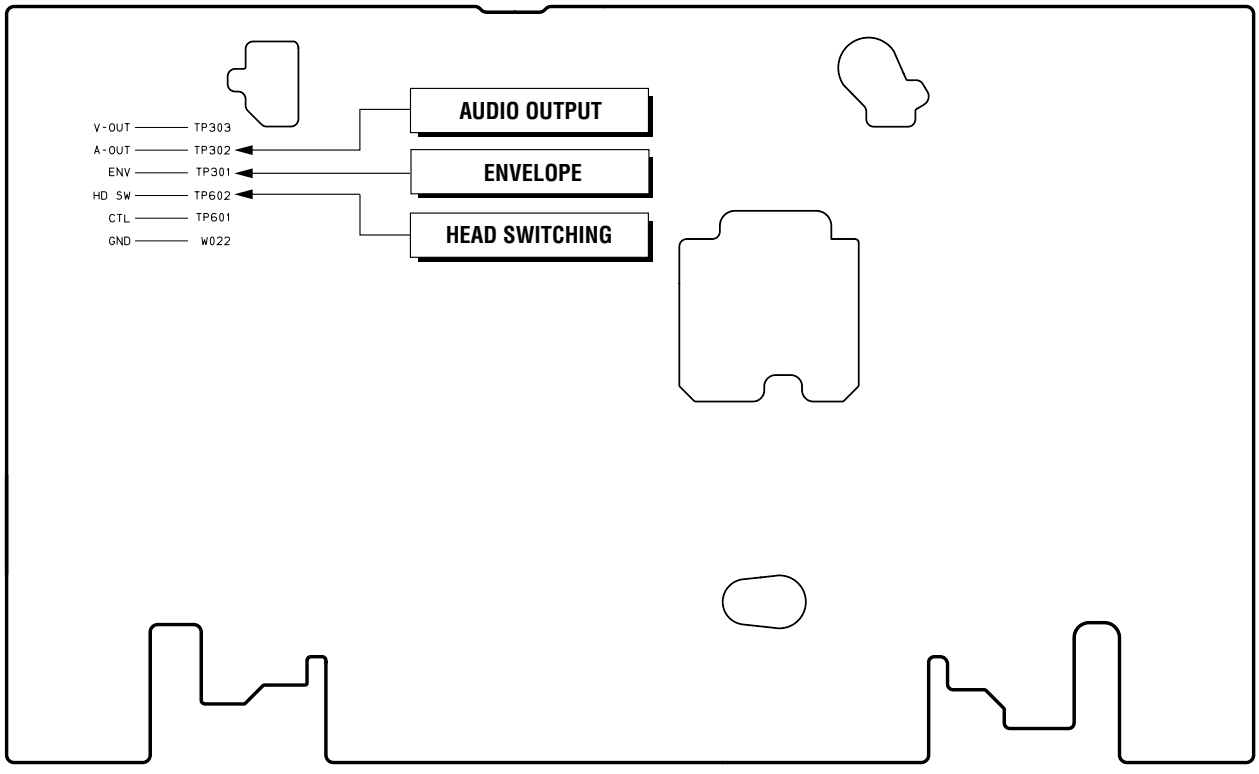


Fig. 5-4 Location of Test point (Main PCB-Top View)

5-2-2 ACE Head Position (X-Point) Adjustment

(See the 5-2-1(d) ACE Head Position (X-Point) Adjustment on page 5-2 of the Mechanical Manual)

1) Playback the alignment tape (KRV-52NE (NTSC) / 52PL (PAL)).
2) Monmently short-circuit the test point on Main PCB with pincers to set the adjustment mode. (See Fig. 5-2)
3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 5-1)
4) Connect the CH-1 probe to TP301 (Envelope) the CH-2 probe to TP602 (H'D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

5-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Monmently short-circuit the test point on Main PCB with pincers to set the adjustment mode. (See Fig. 5-2)
3) Press the “SP/EP” button of remote control then adjustment is operated automatically. (See Fig. 5-1)
4) Turn the Power off.

6. Repair Parts List

Page

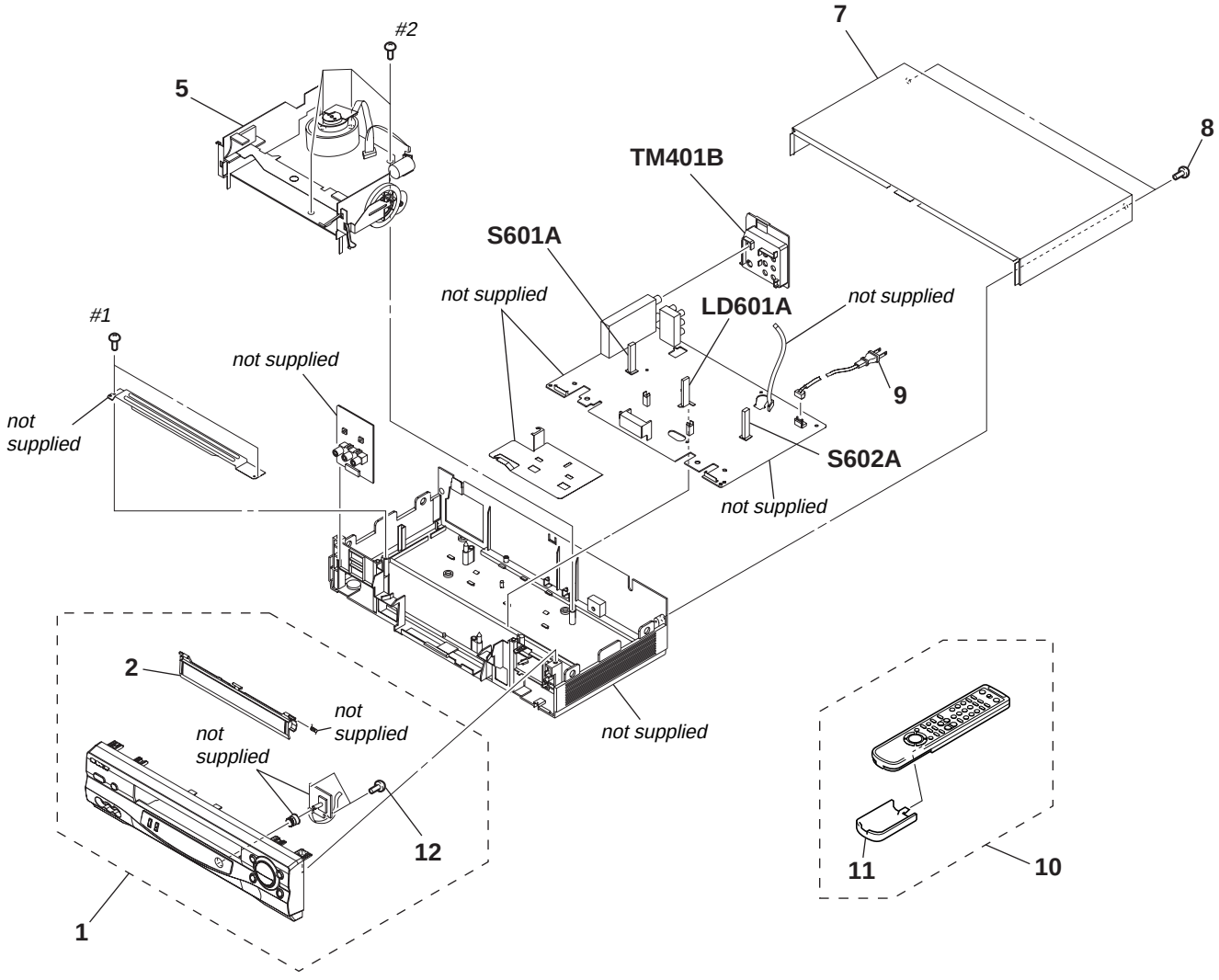
6-1 Exploded Views - - -

6-1 Exploded Views

NOTE:
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  PA : Panama model
  MX : Mexican model
  CS : Chilean model

The components identified by mark ⚠or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

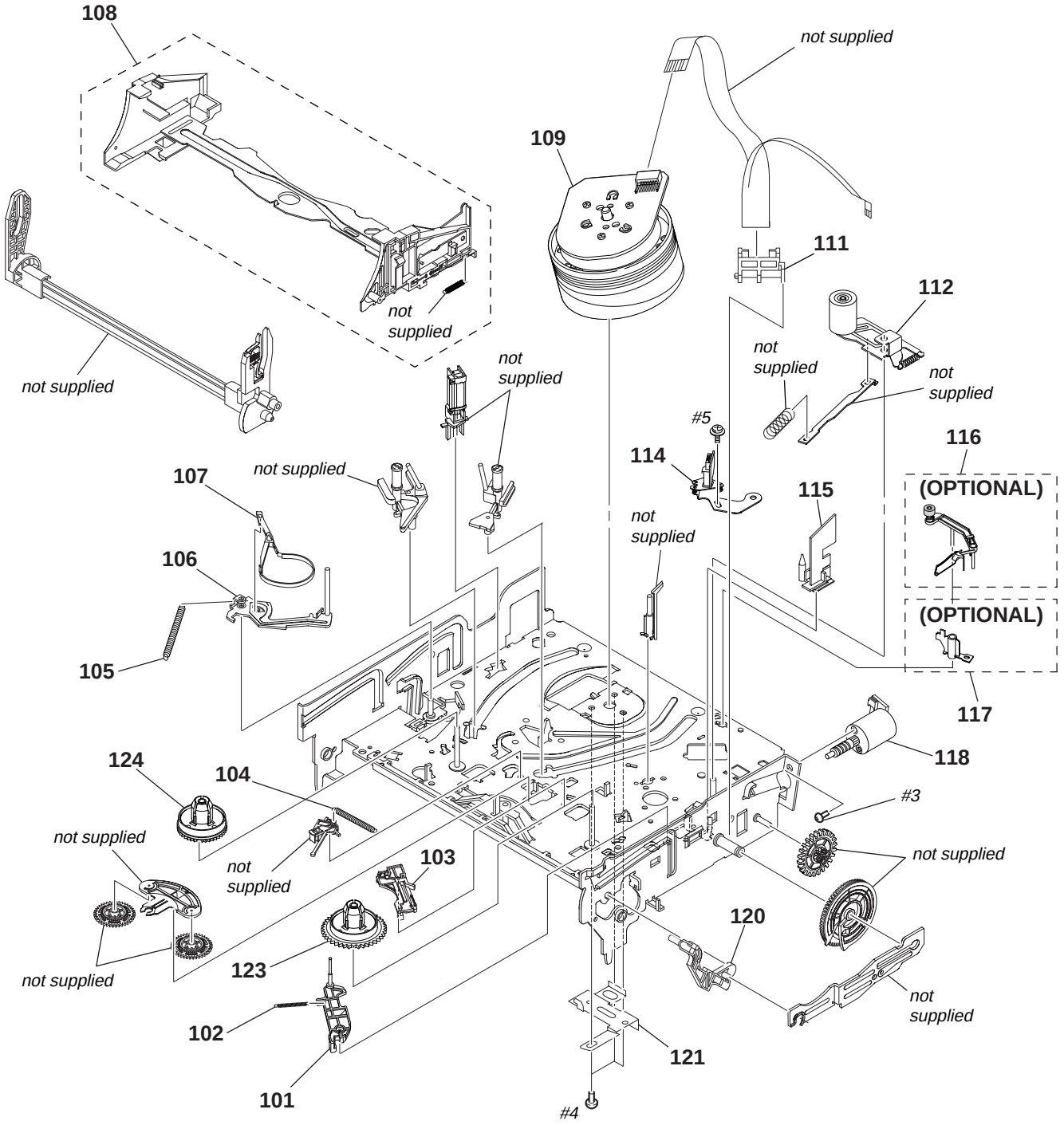
6-1-1 Instrument Assembly



Ref. No.	Part No.	Description	Remarks
1	3-075-242-01	ASSY-PANEL FRONT (LX66S)	
1	3-075-243-01	ASSY-PANEL FRONT (LX55)	
1	3-075-244-01	ASSY-PANEL FRONT (LX77S)	
2	3-075-234-01	DOOR-CASSETTE, SONY (LX66S/LX77S)	
2	3-075-235-01	DOOR-CASSETTE, SONY (LX55)	
5	3-075-240-01	ASSY-DECK	
7	3-075-236-01	CABINET-TOP	
8	3-075-258-01	SCREW-TAP BH	
⚠9	1-823-023-11	POWER CORD (CS)	
⚠9	1-824-058-11	POWER CORD (MX/PA)	

Ref. No.	Part No.	Description	Remarks
10	1-477-306-11	REMOTE COMMANDER (RMT-V403)	(for LX55)
10	1-477-307-11	REMOTE COMMANDER (RMT-V404)	(for LX66S/LX77S)
11	3-075-088-01	BATTERY COVER (for RMT-V403/V404)	
12	3-075-261-01	SCREW MAC 2X8	
LD601A	3-067-777-01	HOLDER-LED	
S601A	3-075-066-01	HOLDER-SENSOR	
S602A	3-075-066-01	HOLDER-SENSOR	
TM401B	1-816-559-11	CONNECTOR BOARD (LX66S/LX77S)	
TM401B	1-816-560-11	CONNECTOR BOARD (LX55)	

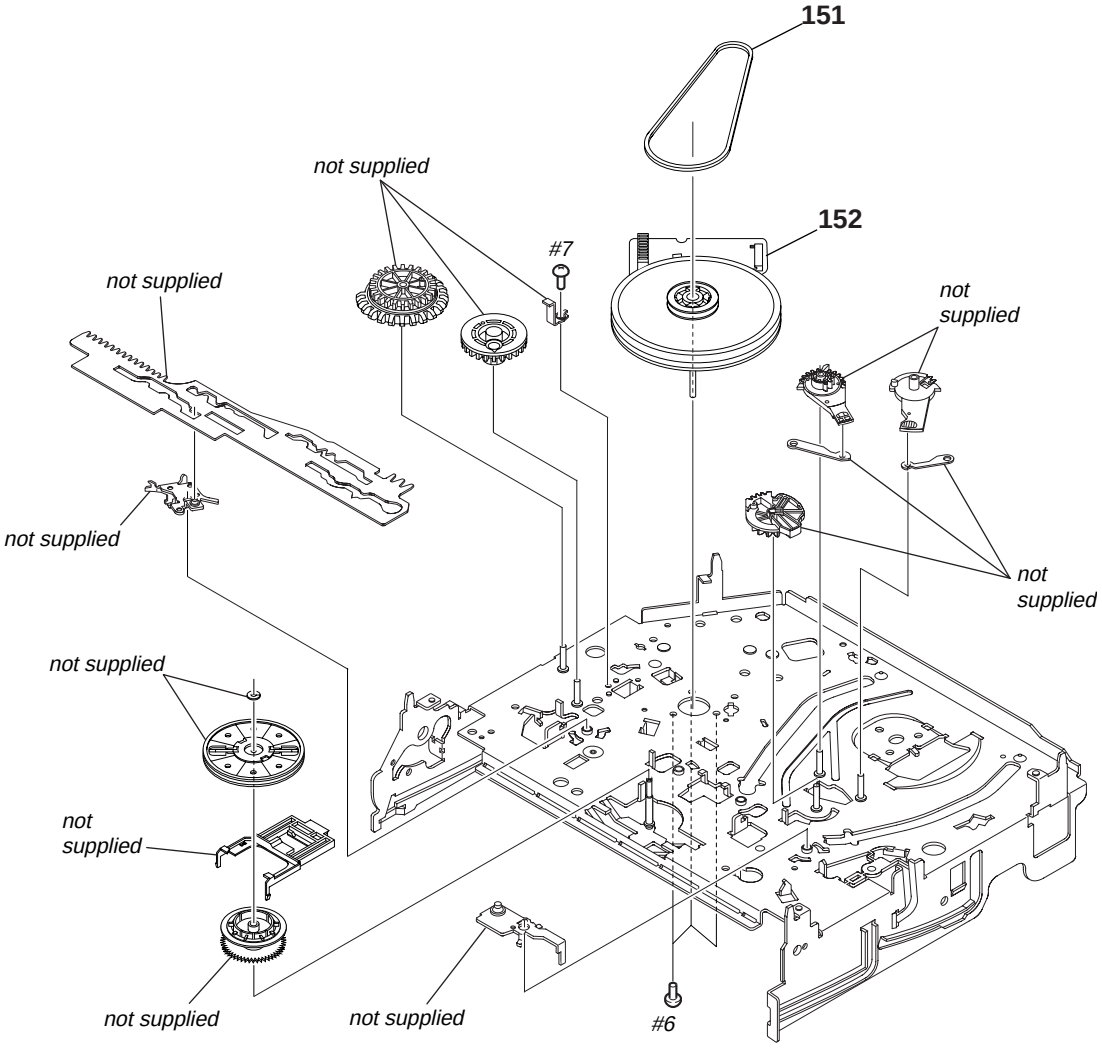
6-1-2 Mechanical Parts (Top Side)



Ref. No.	Part No.	Description	Remarks
101	3-067-779-01	LEVER-GUIDE ASSY	
102	3-067-780-01	SPRING-GUIDE	
103	3-067-785-01	LEVER-T.BREAK ASSY	
104	3-067-786-01	SPRING-BREAK	
105	3-067-782-01	SPRING-TENSION LEVER	
106	3-067-781-01	LEVER-TENSION ASSY	
107	3-067-783-01	BAND-BRAKE ASSY	
108	3-067-788-01	HOLDER-FL CASS.ASSY	
109	1-796-423-11	DRUM ASSY (LX55)	
109	1-796-424-11	DRUM ASSY (LX66S/LX77S)	
111	1-796-433-11	DAMPER-CAPSTAN	

Ref. No.	Part No.	Description	Remarks
112	3-067-784-01	LEVER-UNIT PINCH ASSY	
114	3-075-241-01	ASSY-HEAD ACE	
115	3-067-789-01	GUIDE-CASS. DOOR	
116	3-075-021-01	LEVER-HEAD CLEANER ASSY	
117	3-075-022-01	SLEEVE-HEAD CLEANER	
118	1-796-434-11	MOTOR-LOADING ASSY	
120	3-067-787-01	LEVER-FL DOOR	
121	3-067-796-01	PLATE-GROUND DECK	
123	3-075-047-01	REEL-DISK T	
124	3-075-046-01	REEL-DISK S	

6-1-3 Mechanical Parts (Bottom Side)



Ref. No.	Part No.	Description	Remarks
151	3-067-790-01	BELT-PULLEY	

Ref. No.	Part No.	Description	Remarks
152	1-796-432-11	MOTOR-CAPSTAN	

6-2 Electrical Parts List

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- Not all of the parts are listed.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA... , uPA... , μPA... ,
  uPB... , μPB... , uPC... , μPC... ,
  uPD..., μPD...
- CAPACITORS:
  uF: μF
- COILS
  uH: μH
- Abbreviation
  PA : Panama model
  MX : Mexican model
  CS : Chilean model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description			Remarks
		DIAL TIMER BOARD, COMPLETE			
		**********			
		< DIAL TIMER >			
DL701	1-786-352-11	DIAL-TIMER			
		MAIN BOARD, COMPLETE			
		**********			
FC1SS1	1-576-527-11	FUSE-CLIP			
FC1SS2	1-576-527-11	FUSE-CLIP			
LD601A	3-067-777-01	HOLDER-LED			
S601A	3-075-066-01	HOLDER-SENSOR			
S602A	3-075-066-01	HOLDER-SENSOR			
		< COIL >			
BD1SF1	1-400-086-11	CORE-FERRITE BEAD (CS)			
BD1SF2	1-400-085-11	INDUCTOR (CS)			
BD1SF4	1-400-085-11	INDUCTOR (CS)			
BD1SR1	1-400-086-11	CORE-FERRITE BEAD (MX, PA)			
BD1SS1	1-400-085-11	INDUCTOR			
BD1SS2	1-400-086-11	CORE-FERRITE BEAD			
		< CAPACITOR >			
C1P101	1-126-795-11	ELECT	10uF	20%	50V
C1P103	1-126-447-61	ELECT	4.7uF	20%	35V
C1P104	1-126-447-61	ELECT	4.7uF	20%	35V
C1P105	1-126-458-61	ELECT	1uF	20%	50V
C1P112	1-126-447-61	ELECT	4.7uF	20%	35V
⚠C1SD01	1-165-558-11	CERAMIC	3.3nF	20%	400V (MX, PA)
⚠C1SD01	1-165-992-11	CERAMIC	10nF	10%	400V (CS)
C1SD05	1-165-990-11	CERAMIC	0.1nF	10%	1kV
C1SD06	1-165-570-11	FILM	3.3nF	5%	100V (MX, PA)
C1SD06	1-165-991-11	CERAMIC	0.22nF	5%	50V (CS)
C1SF01	1-165-559-11	CERAMIC	100pF	10%	400V (CS)
C1SF02	1-165-557-11	CERAMIC	2.2nF	20%	400V (CS)
C1SF04	1-100-003-11	ELECT	68uF		400V (CS)
C1SF06	1-165-574-11	FILM	10nF	10%	630V (CS)
C1SR01	1-165-576-11	ELECT	82uF	20%	200V (MX, PA)
C1SR03	1-165-575-11	ELECT	4.7uF	20%	250V (MX, PA)
C1SR04	1-165-569-11	FILM	24nF	5%	50V (MX, PA)
C1SR05	1-100-001-11	FILM	18nF	5%	100V (MX, PA)
⚠C1SR07	1-165-573-11	FILM	100nF	20%	275V
C1SS01	1-126-970-11	ELECT	330uF	20%	50V
C1SS03	1-165-557-11	CERAMIC	2.2nF	20%	400V
C1SS04	1-165-559-11	CERAMIC	100pF	10%	400V (CS)
C1SS07	1-126-942-11	ELECT	1000uF	20%	25V
C1SS08	1-126-940-11	ELECT	330uF	20%	25V
C1SS10	1-126-925-11	ELECT	470uF	20%	10V
C1SS11	1-136-497-11	FILM	100nF	5%	50V
C1SS35	1-126-767-11	ELECT	1000uF	20%	16V
C301	1-126-458-61	ELECT	1uF	20%	50V
C303	1-216-295-11	R-CHIP	0	5%	1/10W
C305	1-126-458-61	ELECT	1uF	20%	50V
C309	1-126-109-11	ELECT	10uF	20%	16V
C311	1-126-109-11	ELECT	10uF	20%	16V
C313	1-126-109-11	ELECT	10uF	20%	16V
C314	1-165-319-11	CERAMIC CHIP	1000nF	+80-20%	16V
C315	1-126-458-61	ELECT	1uF	20%	50V
C316	1-126-458-61	ELECT	1uF	20%	50V
C323	1-126-458-61	ELECT	1uF	20%	50V
C325	1-126-458-61	ELECT	1uF	20%	50V
C326	1-163-033-11	CERAMIC CHIP	22nF	10%	50V
C336	1-126-458-61	ELECT	1uF	20%	50V
C342	1-124-286-11	ELECT	33uF	20%	16V
C346	1-126-109-11	ELECT	10uF	20%	16V
C349	1-126-447-61	ELECT	4.7uF	20%	35V
C353	1-126-447-61	ELECT	4.7uF	20%	35V
C354	1-163-267-11	CERAMIC CHIP	0.47nF	5%	50V
C407	1-161-494-11	CERAMIC	22nF	+80-20%	25V
C410	1-161-494-11	CERAMIC	22nF	+80-20%	25V
C502	1-126-109-11	ELECT	10uF	20%	16V (LX77S/LX66S)
C503	1-126-447-61	ELECT	4.7uF	20%	35V (LX77S/LX66S)
C504	1-126-109-11	ELECT	10uF	20%	16V (LX77S/LX66S)
C505	1-126-447-61	ELECT	4.7uF	20%	35V (LX77S/LX66S)

MAIN

Ref. No.	Part No.	Description			Remarks
C506	1-126-458-61	ELECT	1uF	20% 50V	(LX77S/LX66S)
C507	1-124-286-11	ELECT	33uF	20% 16V	(LX77S/LX66S)
C508	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C509	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C518	1-126-458-61	ELECT	1uF	20% 50V	(LX77S/LX66S)
C521	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C522	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C523	1-124-286-11	ELECT	33uF	20% 16V	(LX77S/LX66S)
C526	1-126-447-61	ELECT	4.7uF	20% 35V	(LX77S/LX66S)
C528	1-126-461-61	ELECT	3.3uF	20% 50V	(LX77S/LX66S)
C529	1-126-458-61	ELECT	1uF	20% 50V	(LX77S/LX66S)
C534	1-161-494-11	CERAMIC	22nF	+80-20% 25V	(LX77S/LX66S)
C535	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C537	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C542	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C544	1-126-109-11	ELECT	10uF	20% 16V	(LX77S/LX66S)
C605	1-126-968-11	ELECT	100uF	20% 50V	
C609	1-163-033-11	CERAMIC CHIP	22nF	10% 50V	
C618	1-161-283-51	CERAMIC CHIP	0.022nF	5% 50V	
C622	1-126-458-61	ELECT	1uF	20% 50V	
C628	1-124-286-11	ELECT	33uF	20% 16V	
C701	1-161-323-11	CERAMIC	1nF	10% 50V	
C802	1-126-925-11	ELECT	470uF	20% 10V	
C805	1-126-109-11	ELECT	10uF	20% 25V	
CT02	1-115-339-11	CERAMIC CHIP	100nF	+80-20% 50V	(LX77S/LX66S)
CT04	1-115-339-11	CERAMIC CHIP	100nF	+80-20% 50V	(LX55)

< DIODE >

D1P101	1-804-409-11	DIODE	1N4002
D1P102	1-804-409-11	DIODE	1N4002
D1P106	1-804-407-11	DIODE	1N4148
D1P108	1-804-407-11	DIODE	1N4148 (LX77S/LX66S)
D1P109	1-804-407-11	DIODE	1N4148
D1SD01	1-804-407-11	DIODE	1N4148 (MX, PA)
D1SD02	1-804-407-11	DIODE	1N4148 (MX, PA)
D1SD02	1-804-412-11	DIODE	F1T4 (CS)
D1SF01	1-804-413-11	DIODE	1T5 (CS)
D1SF02	1-804-412-11	DIODE	F1T4 (CS)
D1SF03	1-804-412-11	DIODE	F1T4 (CS)
D1SF04	1-804-411-11	DIODE	UG2D (CS)
D1SR01	1-804-407-11	DIODE	1N4148 (MX, PA)
D1SR02	1-804-407-11	DIODE	1N4148 (MX, PA)
D1SR03	1-804-411-11	DIODE	UG2D (MX, PA)
D1SS01	1-804-413-11	DIODE	1T5
D1SS02	1-804-413-11	DIODE	1T5
D1SS03	1-804-413-11	DIODE	1T5
D1SS04	1-804-413-11	DIODE	1T5
D1SS05	1-804-408-11	DIODE	UF4007
D1SS07	1-804-410-11	DIODE	FML-M02S
D1SS08	1-804-412-11	DIODE	F1T4
D503	1-804-407-11	DIODE	1N4148 (LX77S/LX66S)
D601	1-804-407-11	DIODE	1N4148
D603	1-804-409-11	DIODE	1N4002
D604	1-804-409-11	DIODE	1N4002
D605	1-804-407-11	DIODE	1N4148
D606	1-804-409-11	DIODE	1N4002
D607	1-804-409-11	DIODE	1N4002
D701	1-804-407-11	DIODE	1N4148
D702	1-804-407-11	DIODE	1N4148
D703	1-804-407-11	DIODE	1N4148
D704	1-804-407-11	DIODE	1N4148
D705	1-804-407-11	DIODE	1N4148
D706	1-804-407-11	DIODE	1N4148
D708	1-804-407-11	DIODE	1N4148
D709	1-804-407-11	DIODE	1N4148
D710	1-804-407-11	DIODE	1N4148
D804	1-804-407-11	DIODE	1N4148
D805	1-804-407-11	DIODE	1N4148
DT701	1-518-819-11	LED DISPLAY	LTG-0133M(LITE-ON)
LD601	1-804-438-11	LED-IR	
ZD1P01	1-804-414-11	DIODE	UZP33B
ZD1P02	1-804-416-11	DIODE	MTZJ5.1B
ZD1P03	1-804-417-11	DIODE	MTZJ9.1B (LX77S/LX66S)
ZD1P04	1-804-417-11	DIODE	MTZJ9.1B (LX55)
ZD1P05	1-804-418-11	DIODE	MTZJ12B
ZD1SR1	1-804-415-11	DIODE	UZP43B (MX, PA)

< FUSE >

⚠F1SD01	1-576-525-11	FUSE-CARTRIDGE	(250V/1.6A) (MX, PA)
⚠F1SD01	1-576-638-11	FUSE-AXIAL LEAD	(250V/1.6A) (CS)

< IC >

IC1SF1	1-804-771-11	IC	STR-G6551 (CS)
⚠IC1SS1	1-804-784-11	PHOTO-COUPLER	
IC1SS2	1-804-445-11	IC	KA431Z
IC301	1-804-772-11	IC	LA71201
IC501	1-804-434-11	IC	AN3663FBP (LX77S/LX66S)
IC603	1-804-431-11	IC	24C021
IC6B1	1-804-773-11	IC	PST572K
IC601	1-804-801-11	IC	MICOM (LA)

Note :
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref. No.	Part No.	Description			Remarks
		< COIL >			
L1P101	1-400-074-11	INDUCTOR-AXIAL 100uH			
⚠L1SS01	1-424-831-11	FILTER LINE NOISE	20mH		
L1SS02	1-400-236-11	COIL-CHOKE	10uH		
L1SS03	1-400-236-11	COIL-CHOKE	10uH		
L301	1-400-085-11	INDUCTOR			
L302	1-400-086-11	CORE-FERRITE BEAD			
L303	1-400-086-11	CORE-FERRITE BEAD			
L304	1-400-086-11	CORE-FERRITE BEAD			
L305	1-400-086-11	CORE-FERRITE BEAD			
L307	1-400-074-11	INDUCTOR-AXIAL 100uH			
L502	1-400-086-11	CORE-FERRITE BEAD (LX77S/LX66S)			
L503	1-400-086-11	CORE-FERRITE BEAD (LX77S/LX66S)			
L601	1-400-086-11	CORE-FERRITE BEAD			
L602	1-400-074-11	INDUCTOR-AXIAL 100uH			
L603	1-400-086-11	CORE-FERRITE BEAD			
L802	1-400-086-11	CORE-FERRITE BEAD			
		< TRANSFORMER >			
⚠PT1SD1	1-437-394-11	TRANS SWITCHING (MX, PA)			
⚠PT1SD1	1-437-786-11	TRANS-SWITCHING (CS)			
		< TRANSISTOR >			
Q1P101	1-804-424-11	TRANSISTOR	KSC2328A-Y		
Q1P102	1-804-424-11	TRANSISTOR	KSC2328A-Y		
Q1P104	1-804-421-11	TRANSISTOR	KSC945 (LX77S/LX66S)		
Q1P107	1-804-424-11	TRANSISTOR	KSC2328A-Y		
Q1P108	1-804-429-11	TRANSISTOR	KSR2001		
Q1P109	1-804-421-11	TRANSISTOR	KSC945		
Q1SR01	1-804-422-11	TRANSISTOR	KTC3203-Y (MX, PA)		
Q1SR02	1-804-767-11	TRANSISTOR	(MX, PA)		
Q302	1-804-420-11	TRANSISTOR	KSA733		
Q303	1-804-421-11	TRANSISTOR	KSC945		
Q304	1-804-420-11	TRANSISTOR	KSA733		
Q305	1-804-422-11	TRANSISTOR	KTC3203-Y		
Q306	1-804-420-11	TRANSISTOR	KSA733		
Q307	1-804-422-11	TRANSISTOR	KTC3203-Y		
Q308	1-804-422-11	TRANSISTOR	KTC3203-Y		
Q706	1-804-421-11	TRANSISTOR	KSC945		
Q707	1-804-421-11	TRANSISTOR	KSC945		
Q708	1-804-421-11	TRANSISTOR	KSC945		
Q709	1-804-421-11	TRANSISTOR	KSC945		
Q710	1-804-421-11	TRANSISTOR	KSC945		
Q711	1-804-421-11	TRANSISTOR	KSC945		
Q712	1-804-421-11	TRANSISTOR	KSC945		
Q713	1-804-421-11	TRANSISTOR	KSC945		
Q714	1-804-421-11	TRANSISTOR	KSC945		
Q715	1-804-421-11	TRANSISTOR	KSC945		
Q716	1-804-421-11	TRANSISTOR	KSC945		
Q801	1-804-420-11	TRANSISTOR	KSA733		
		< RESISTOR >			
R1P103	1-247-815-11	CARBON	220	5% 1/8W (LX77S/LX66S)	
R1P105	1-247-815-11	CARBON	220	5% 1/8W (LX55)	
R1SD02	1-247-815-11	CARBON	220	5% 1/8W (MX, PA)	
R1SD03	1-247-831-11	CARBON	1K	5% 1/8W	
R1SF05	1-244-373-11	CEMENT	2.7	10% 2W (CS)	
R1SF07	1-247-831-11	CARBON	1K	5% 1/8W (CS)	
R1SF09	1-247-843-11	CARBON	3.3K	5% 1/8W (CS)	
R1SR02	1-244-370-11	METAL OXIDE	330K	5% 1W (MX, PA)	
R1SR03	1-215-884-11	METAL OXIDE	47	5% 2W (MX, PA)	
R1SR04	1-215-884-11	METAL OXIDE	47	5% 2W (MX, PA)	
R1SR06	1-216-367-11	METAL OXIDE	0.68	5% 2W (MX, PA)	
R1SS01	1-215-901-11	METAL OXIDE	33K	5% 2W	
R1SS02	1-215-901-11	METAL OXIDE	33K	5% 2W	
R1SS04	1-247-831-11	CARBON	1K	5% 1/8W	
R1SS05	1-244-372-11	METAL	3K	1% 1/8W	
R1SS06	1-244-371-11	METAL	2.2K	1% 1/8W	
R313	1-247-837-11	CARBON	1.8K	5% 1/8W	
R314	1-216-655-11	R-CHIP	1.5K	5% 1/10W	
R315	1-216-673-11	R-CHIP	8.2K	5% 1/10W	
R320	1-216-655-11	R-CHIP	1.5K	5% 1/10W (LX77S/LX66S)	
R327	1-216-295-11	R-CHIP	0	5% 1/10W	
R328	1-216-674-11	R-CHIP	9.1K	5% 1/10W	
R331	1-216-661-11	R-CHIP	27K	5% 1/10W (LX77S/LX66S)	
R332	1-216-651-11	R-CHIP	1K	5% 1/10W	
R333	1-247-833-11	CARBON	1.2K	5% 1/8W	
R334	1-216-683-11	R-CHIP	22K	5% 1/10W	
R335	1-216-691-11	R-CHIP	47K	5% 1/10W	
R336	1-216-675-11	R-CHIP	10K	5% 1/10W	
R337	1-216-659-11	R-CHIP	2.2K	5% 1/10W	
R338	1-216-627-11	R-CHIP	100	5% 1/10W	
R342	1-216-675-11	R-CHIP	10K	5% 1/10W	
R506	1-216-687-11	R-CHIP	33K	5% 1/10W (LX77S/LX66S)	
R507	1-216-651-11	R-CHIP	1K	5% 1/10W (LX77S/LX66S)	
R511	1-216-667-11	R-CHIP	4.7K	5% 1/10W (LX77S/LX66S)	
R513	1-216-667-11	R-CHIP	4.7K	5% 1/10W (LX77S/LX66S)	
R518	1-216-674-11	R-CHIP	9.1K	5% 1/10W (LX77S/LX66S)	
R521	1-247-841-11	CARBON	2.7K	5% 1/8W (LX77S/LX66S)	
R522	1-216-661-11	R-CHIP	2.7K	5% 1/10W (LX77S/LX66S)	
R525	1-247-841-11	CARBON	2.7K	5% 1/8W (LX77S/LX66S)	
R601	1-216-683-11	R-CHIP	22K	5% 1/10W	

Note :
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Replace only with part number specified.

MAIN

Ref. No.	Part No.	Description			Remarks
R602	1-216-635-11	R-CHIP	220	5%	1/10W
R603	1-216-683-11	R-CHIP	22K	5%	1/10W
R604	1-216-635-11	R-CHIP	220	5%	1/10W
R607	1-216-686-11	R-CHIP	30K	5%	1/10W
R608	1-247-831-11	CARBON	1K	5%	1/8W
R609	1-247-831-11	CARBON	1K	5%	1/8W
R610	1-247-831-11	CARBON	1K	5%	1/8W
R614	1-247-831-11	CARBON	1K	5%	1/8W
R616	1-247-831-11	CARBON	1K	5%	1/8W
R618	1-216-693-11	R-CHIP	56K	5%	1/10W
R623	1-216-675-11	R-CHIP	10K	5%	1/10W
R624	1-216-675-11	R-CHIP	10K	5%	1/10W
R630	1-247-873-11	CARBON	56K	5%	1/8W
R631	1-247-873-11	CARBON	56K	5%	1/8W
R635	1-216-651-11	R-CHIP	1K	5%	1/10W
R638	1-247-843-11	CARBON	3.3K	5%	1/8W
R639	1-247-841-11	CARBON	2.7K	5%	1/8W
R643	1-216-675-11	R-CHIP	10K	5%	1/10W
R644	1-216-675-11	R-CHIP	10K	5%	1/10W
R645	1-216-675-11	R-CHIP	10K	5%	1/10W
R647	1-216-639-11	R-CHIP	330	5%	1/10W
R648	1-216-639-11	R-CHIP	330	5%	1/10W
R649	1-216-667-11	R-CHIP	4.7K	5%	1/10W
R650	1-216-667-11	R-CHIP	4.7K	5%	1/10W
R651	1-216-667-11	R-CHIP	4.7K	5%	1/10W
R652	1-216-675-11	R-CHIP	10K	5%	1/10W
R653	1-247-831-11	CARBON	1K	5%	1/8W
R656	1-216-675-11	R-CHIP	10K	5%	1/10W
R660	1-247-875-11	CARBON	68K	5%	1/8W
R661	1-247-831-11	CARBON	1K	5%	1/8W
R664	1-247-831-11	CARBON	1K	5%	1/8W
R690	1-247-831-11	CARBON	1K	5%	1/8W
R691	1-247-831-11	CARBON	1K	5%	1/8W
R692	1-247-831-11	CARBON	1K	5%	1/8W
R6B02	1-247-831-11	CARBON	1K	5%	1/8W
R715	1-216-659-11	R-CHIP	2.2K	5%	1/10W
R716	1-216-659-11	R-CHIP	2.2K	5%	1/10W
R728	1-247-828-11	CARBON	75	5%	1/8W
R729	1-247-828-11	CARBON	75	5%	1/8W
R730	1-247-828-11	CARBON	75	5%	1/8W
R731	1-247-828-11	CARBON	75	5%	1/8W
R732	1-247-828-11	CARBON	75	5%	1/8W
R733	1-247-828-11	CARBON	75	5%	1/8W
R734	1-247-828-11	CARBON	75	5%	1/8W
R735	1-247-828-11	CARBON	75	5%	1/8W
R745	1-247-828-11	CARBON	75	5%	1/8W
R801	1-247-828-11	CARBON	75	5%	1/8W
R802	1-247-828-11	CARBON	75	5%	1/8W
R804	1-247-828-11	CARBON	75	5%	1/8W
		< MODULE >			
RM701	1-477-308-11	MODULE REMOCON TSOP2238WE1			
		< PHOTO TRANSISTOR >			
S601	1-804-439-11	PHOTO TR			
S602	1-804-439-11	PHOTO TR			
		< SWITCH >			
SW603	1-786-198-11	SWITCH-MODE			
		< TERMINAL >			
TM401	1-693-551-11	TM BLOCK			
		< VARISTOR >			
⚠VA1SS1	1-804-437-11	VARISTOR (LX77S:CS, PA/LX66S/LX55)			
		< VIBRATOR >			
XT01	1-795-616-11	RESONATOR-CERAMIC (3.84MHZ) (LX55)			
XT01	1-795-604-11	RESONATOR-CERAMIC (4.0MHz) (LX77S/LX66S)			
XT301	1-795-603-11	CRYSTAL-UNIT (3.579545MHz)			
XT601	1-795-334-11	CRYSTAL-UNIT (14.31818MHz)			
XT602	1-795-332-11	CRYSTAL-UNIT (32.768KHz)			
		MISCELLANEOUS			
		**********			
⚠9	1-823-023-11	POWER CORD (CS)			
⚠9	1-824-058-11	POWER CORD (MX/PA)			
109	1-796-423-11	DRUM ASSY (LX55)			
109	1-796-424-11	DRUM ASSY (LX66S/LX77S)			
118	1-796-434-11	MOTOR-LOADING ASSY			
LD601A	3-067-777-01	HOLDER-LED			
S601A	3-075-066-01	HOLDER-SENSOR			
S602A	3-075-066-01	HOLDER-SENSOR			
TM401B	1-816-559-11	CONNECTOR BOARD (LX66S/LX77S)			
TM401B	1-816-560-11	CONNECTOR BOARD (LX55)			
		**********			
		HARDWARE LIST			
		**********			
#1	7-685-548-19	SCREW TAPTITE			
#2	7-685-661-11	SCREW-BH			
#3	7-682-144-01	SCREW-MACHINE			
#4	7-682-647-01	SCREW-ASSY MACH			
#5	7-621-759-35	SCREW-ASSY TAPT			
#6	7-685-133-11	SCREW-CAPSTAN			
#7	7-685-132-11	SCREW-TAPTITE			
		ACCESSORIES & PACKING MATERIALS			
		**********			
	1-477-306-11	REMOTE COMMANDER (RMT-V403) (for LX55)			
	1-477-307-11	REMOTE COMMANDER (RMT-V404) (for LX66S/LX77S)			
	3-072-589-12	MANUAL, INSTRUCTION (SPANISH)			
	3-072-088-01	BATTERY COVER (for RMT-V403/V404)			

Note :
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Replace only with part number specified.

MEMO

9-929-723-11

Sony Corporation
Home Video Company

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